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LIVINGSTON'S

14<sup>th</sup> ANNUAL

SEED CATALOGUE

J.L.

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"SURE  
TO  
GROW"  
SEEDS.

LIVINGSTON'S SEED STORE

708 & 710 LOCUST ST.

DES MOINES IOWA



# A Chance to Get a Prize and Not Cost You a Cent.

We annually spend a good deal of money in advertising in newspapers and otherwise to acquaint new people with our seed store, our manner of doing business and the high quality of seeds, bulbs, garden tools and other goods we have to offer. The idea has been suggested that at least a portion of this be distributed among our customers instead of the newspapers. We therefore the past season offered \$75.00 in cash and otherwise as premiums to those of our customers who would send us a list of names producing the greatest amount of business. Our friends responded very nicely, we paid and delivered the premiums, and now we come to you again with a proposition for more new names. It lies with our customers to make a success of this way of advertising. We feel sure many of our customers have already said a good word for us and we wish to show our appreciation in some measure by offering these premiums as some little remuneration for the kindness. Every one who orders goods from us will be entitled to compete for one of the premiums, and it can be done so no one need know of it, as no soliciting is required. In the space on the back of order sheet we would like you to write the names and addresses of those you know are accustomed to sending off for seeds, especially gardeners who grow vegetables to sell. By so doing you will confer a favor not only on us, but on those whose names you write, because at no other place in this country can better seeds, etc., be bought than of us for any less money, quality considered. Seeds that are more true to name or have greater vitality. The one who sends a list of names (not to exceed ten) that sends us the greatest amount of money for goods will receive the first premium. The next best list gets the second premium and so on. The least risk possible is taken in buying of us, as most of our seeds are grown expressly for us under strict contract, by the most careful growers, having years of experience and located where each variety does the best. We believe a large majority of our customers know of others who would gladly become customers of our seed store if they knew of the advantages as above mentioned, of buying seeds, etc., direct from us, hence our offer of the following premiums. Not much risk where there is so many; and it costs nothing to try.

First premium,	an order good for \$10.00	worth of anything we sell.
Second premium,	an order good for \$8.00	worth of anything we sell.
Third premium,	an order good for \$5.00	worth of anything we sell.
Fourth premium,	an order good for \$3.00	worth of anything we sell.
Fifth premium,	an order good for \$2.00	worth of anything we sell.
Sixth premium,	an order good for \$1.00	worth of anything we sell.
Ten premiums,	Scollay Plant Sprayers, at 50 cents each.	
Twenty-five premiums,	Lang's Hand Weeders, at 25 cents each.	
Twenty-five Excelsior Weeders,	at 20 cents each.	

Sixty-six in all. You can easily be one of the Sixty-six. Try it.

## THE OBJECT OF THESE PREMIUMS IS TO SECURE NEW CUSTOMERS.

Should your list contain some names to whom we have already sent catalogues purchases made by them will not be placed to your credit, but we will immediately notify you so that you may send others if you wish. In no case will more than ten names be accepted, so it pays to select the best. No dealers or merchants will be allowed to compete. Catalogues will be sent to each name, and all orders received from you by July 1, 1900, and from the new names you send us will be placed to your credit. The premiums will be awarded July 15th. All orders will count for the full amount of the bill for any goods sold by us whether mentioned in the catalogue or not. Soliciting is not required in order to compete for any of the premiums, however, your chances for success would no doubt be surer if you could say a good word for our seeds, etc. Gardeners names are usually preferable, as they use more seeds and implements. If you prefer to do so you can send the ten names or any part of them at once, and send your order later. We can assure you that you will be pleased with our stocks, also that your chances for a premium are much better than you may imagine, as only private customers (no dealers) are allowed to compete.

## NAMES OF THOSE WHO RECEIVED PREMIUMS IN 1900.

We can give postoffice addresses if desired.

J. M. Le Fever, Fillmore County, Neb.  
 Mrs. Mattie Ross, Nodaway County, Mo.  
 A. B. Shroyer, Clay County, Neb.  
 Thos. L. Alexander, Grant County, Ind.  
 Mrs. E. M. White, Flathead County, Mont.  
 Mrs. Herbert Farrell, Hancock County, Iowa.  
 Patrick Gibney, Marion County, Mo.  
 Chas. W. Hamline, McDonough County, Ill.  
 Frank Schwartz, Keokuk County, Iowa.  
 F. E. Clarkson, Jackson County, Iowa.  
 G. N. Collins, Furnas County, Neb.  
 J. B. Thompson, Hardeman County, Tenn.  
 J. J. Frank, Delta County, Colo.  
 Ella Hickerson, Laramie County, Wyo.  
 J. P. Campbell, Jefferson County, Iowa.  
 Edward Baechler, Dodge County, Neb.  
 W. W. Vance, York County, Neb.  
 John Warner, Osage County, Kan.  
 Mrs. H. Rahm, Carroll County, Ill.  
 A. H. Giles, Gentry County, Mo.  
 Wm. Steele, Shelby County, Ohio.  
 Harmon Hamline, McDonough County, Ill.  
 I. N. Turner, Henry County, Iowa.  
 J. L. Morris, Stanley County, N. C.  
 Jas. H. McQuiston, Warren County, Ill.  
 O. P. Wheeler, Keokuk County, Iowa.  
 Mrs. Lon Tracy, Gentry County, Mo.

Ida Long, Clinton County, Mo.  
 C. M. Kilgore, Hamilton County, Neb.  
 J. B. Whitney, Hardeman County, Tenn.  
 Nellie Green, Seward County, Neb.  
 Wm. Kiehne, Gillespie County, Texas.  
 Edson L. Creamer, O'Brien County, Iowa.  
 Mollie Smith, Scotland County, Mo.  
 Mrs. John Kutchler, Fulton County, Ill.  
 G. S. Kemp, Gentry County, Mo.  
 Mrs. Kate Calder, Livingston County, Ill.  
 Alma Black, Morgan County, Ala.  
 Mrs. H. O. Hardy, Story County, Iowa.  
 Mrs. M. A. Reed, Madison County, Iowa.  
 Mrs. M. F. Findley, Dallas County, Iowa.  
 Walter Fairbanks, Butler County, Iowa.  
 Mary E. Myers, St. Clair County, Mo.  
 Mrs. S. A. Botkin, Fulton County, Ill.  
 Will Halloran, Shelby County, Iowa.  
 John F. M. Porter, Page County, Iowa.  
 Joseph Austin, Linn County, Iowa.  
 Thos. L. William, Livingston County, Mo.  
 Jonathan Freeman, Mower County, Minn.  
 D. K. Parker, Cass County, Iowa.  
 Chas. Shafer, Lafayette, Mo.  
 H. B. Goble, Floyd County, Iowa.  
 C. H. Keys, Bourbon, Kan.  
 Mrs. A. Benfield, Appanose County, Iowa.

And TWENTY-SIX others whose names are omitted for want of space.







# THANKS

more, I feel that in some measure, at least, this end had been attained.

To new customers I desire to say I do not wish to be understood as competing in price with much that is being offered in seeds at the present time, as a little difference in the price of a bushel or a pound of seed does not cut any figure, when the results from planting bad seeds are considered. We are perfectly willing, however, to have our stocks placed in competition with those of any other firm in regard to quality, knowing they will stand the test. Our crops have been a little too heavy on some varieties, and I am willing to give our customers the benefit of reduced prices on these. Our loss shall be your gain. In this connection note my prices on Mangel Wurzel, Onion, Parsnip, Cucumber, Kolbs Gem W. Melon, Pumpkin and Radish. Wishing every one of my patrons abundant success during the coming season, I remain,

Yours to command,

JOSIAH LIVINGSTON, Seedman,  
DES MOINES, IOWA.

## Please read the following. It may save time and annoyance.

**ORDER EARLY**—It is best to order as soon as possible after receiving the catalogue. It gives us a better chance to care for the order carefully, and then you will have the seeds on hand, ready to sow at once when needed. This quite often means a saving of valuable time and dollars in your pocket if you grow for market. The "early bird catches the worm," you know.

**ORDER FREELY**—Most seeds are as good the second season, so that should you have a few left over it does not matter. It's a great annoyance to run out of seeds just when you need them most. No part of the farm turns off more real value than the garden; so don't stint yourself on garden seeds, at least.

**SHIPPING INSTRUCTIONS**—Please write your name and address very plainly, and use the same one each time if possible. Tell us the express company, also the railroad, at your place. You will find blank spaces on the order sheet for these purposes.

**SHIPPING FACILITIES**—Des Moines is very well supplied with railroads and express companies. The roads, numbering fifteen, lead out in all directions, thereby making prompt delivery sure, whether sent by mail, express or freight.

**LARGE AND SMALL ORDERS** are alike treated carefully, promptly and cheerfully. If you only want a single packet, don't hesitate to send for it. If you grow vegetables to sell in large quantities, write for my wholesale list, if not already sent you. Please feel free to write at any time.

**GUARANTEEING SEEDS**—The failure of seeds to grow and prove true to type is so often due to causes with which every one is familiar, and over which the seedsman has no control, that I have thought best to say here, plainly, I do not guarantee seeds, except to replace the amount sold, or its equivalent, when by repeated complaints I am convinced that the failure is due to the seed. Not a responsible seedsman is doing more than this; hence, no one need to hesitate ordering on this account. I use all possible care so as to pre-

I desire to thank those who have favored me with their orders in past seasons, and hope for their continued patronage. It has always been my earnest desire to merit the same, and since I have customers on my books for the past ten years or

vent a failure, as it is as much to my interest, and sometimes more, than it is to yours.

**HOW TO SEND MONEY**—Send remittances by express order, bank draft, postoffice order or registered letter, and make all payable to Josiah Livingston. The three ways first mentioned are the best, but when not possible to send in any of these ways you can always have your postmaster register your letter. Small amounts can be sent in stamps. Always use my return envelopes when convenient.

**MY CATALOGUE** is sent free, and I would be pleased to send it to anyone of your friends whom you think would like to have it and if you will tell them you have asked me to send it, they will better understand how I got their name and how I came to send the book. Of course, if you, having found my seeds reliable, and can "say a good word" for them, I will be "more than pleased."

**NEW VARIETIES**—If any of our customers have something desirable in seeds which they have had in their family for a number of years and know to be good, and is not already listed in the catalogues, I would be pleased to have a small sample for trial, and as some little return for the kindness of sending it, I will send a package of some new kind of seed for trial.

**SEED GROWING**—I am often asked if I grow all my seeds. My reply is, that all the more important varieties—those from which the main crops are grown—are grown under contract; are inspected during the growing season and subject to rejection if the terms of contract are not carried out to the letter. I have one man who looks after the growing of seed Sweet Corn, Squash, Melon and Cucumber. He furnishes the seed for planting and allows only one variety to each farmer. Another man has charge of Cabbage seed growing in a similar manner; another Peas and Beans; another Onion, Lettuce, Radish, etc., etc. These men are located where each variety or class of seed does the best, producing as a rule, seed of high grade. Seeds of lesser importance are secured from only the best sources; so that we feel confident no better stock of seeds can be found than those we offer.



# VEGETABLE SEEDS

**I**N this General List of Vegetable Seeds I have only included varieties of undoubted merit, after thorough trials over a wide range of country. Others will be added from time to time, as rapidly as I am convinced of their value. I have usually placed the newer sorts in a list by themselves in the front of the catalogue, but as this is rather confusing to many I have decided to put all varieties, both new and old, in one general list, which you will note is alphabetically arranged, and this will help in finding any variety quickly.

Market Gardeners and others using large quantities of seeds should write for my Wholesale Price List.

Packet Discounts apply to Seeds put up in the small bags only, and not to Seeds offered by the quarter pound, pint, quart, or large amounts, or to bulbs. I cannot include any of these larger quantities, as the postage is so much greater.

Select 30-cent worth packets or ounce, Vegetable or Flower Seeds, for....\$ .25

Select 60-cent worth packets or ounce, Vegetable or Flower Seeds, for.... .50

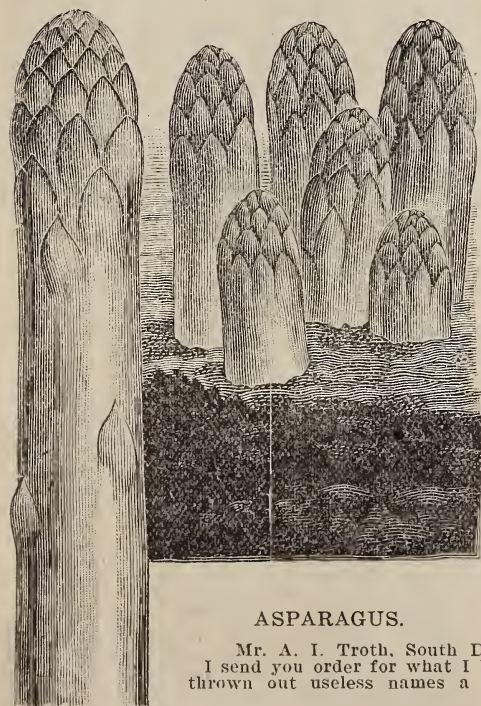
Select \$1.30 worth of packets or ounce, Vegetable or Flower Seeds, for.... 1.00

Select \$2.75 worth of packets or ounce, Vegetable or Flower Seeds, for.... 2.00

Get your neighbors or friends to go in with you, and thereby get the advantage of these liberal discounts. Remember, you get our large full sized packets with every order.

Please note that we pay postage to any part of the United States at prices for seeds quoted in this Catalogue (except where noted), and this will explain why our prices possibly seem higher than others, who do not include the postage, but ask you to remit extra amount for that purpose, and when this is added it frequently makes my prices the lowest.

WE  
PAY  
POSTAGE



ASPARAGUS.

Mr. A. I. Troth, South Dakota: "Having found your seeds always good, I send you order for what I lack. I like your catalogue because you have thrown out useless names and list a few of the best sorts only."

## ASPARAGUS.

One ounce will sow 60 feet of drill and produce about 400 plants.

A year or so may be saved by using roots as they come into bearing sooner. At prices quoted for roots, the buyer pays express or freight charges.

**Asparagus Culture**—A book giving best methods, price postpaid, 50c.

**Palmetto**—Uniformly large and early. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c; 2-year-old roots, per 100, 75c; per 1000, \$5.50.

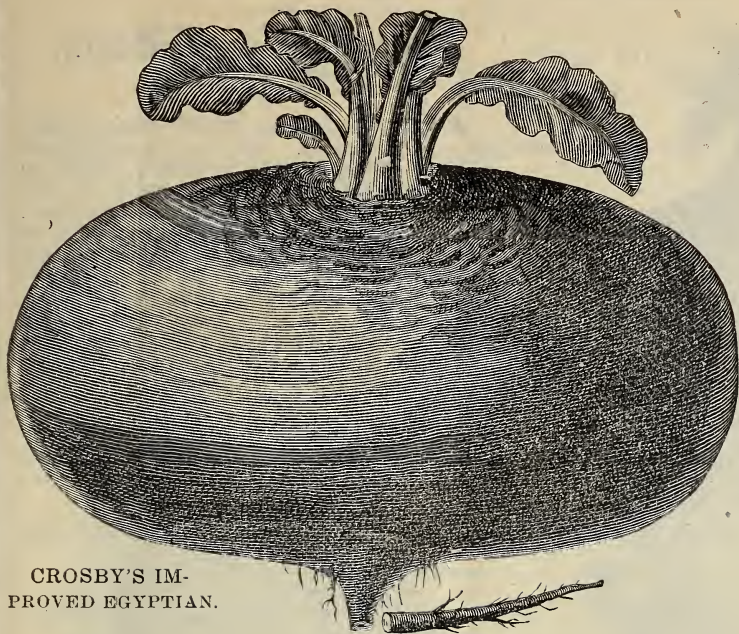
**Conover's Colossal**—Very productive. Pkt., 5c; oz., 7c; ¼ lb., 12c; lb., 45c; 2-year-old roots, per 100, 60c; per 1000, \$5.00.

**Columbian Mammoth White**—As its name indicates, this variety sends up sprouts that are white instead of purple or green like the old sorts. They remain white as long as fit for use, and of large size. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 2-year-old roots, per 100, 75c; per 1000, \$6.00.

## BORE COLE OR KALE.

One ounce will produce about 2,000 plants.

**Siberian or Dwarf German**—Very hardy. Sow in September and cover over with mulch as severe weather sets in. It is ready very early in spring. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



CROSBY'S IM-  
PROVED EGYPTIAN.

# B E E T S

One ounce to 60  
feet of drill 5 to 6  
pounds to the acre

**Crosby's Improved Egyptian**—First introduced in the West in our catalogue for 1890, and it is today the leading variety used by gardeners for the very earliest market. It is more globe shaped than the old Egyptian Beet, which is quite flat. The bulbs have very dark red flesh and skin, with only occasionally a specimen of lighter shade. It is very sweet and tender, but above all else its earliness recommends it more strongly to those who want to get beets in the quickest possible time. We have sold the seed, to those who had become acquainted with it, at more than double the price of other varieties, they claiming to far more than make up the difference in price of seed in the extra price obtained for the beets because they came so early. The Crosby's Improved Egyptian is always of good shape from the start, so you can pull it at any time during its growth. Sown every few weeks it makes one of the best sorts for family use. Seed grown from selected stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**Early Egyptian**—An early, dark-red variety of good quality; of good shape through all stages of growth. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Eclipse**—An early variety, having globe shaped roots; dark red, skin and flesh; irregular in maturing. A good family sort, as they last well through the season. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Dewing's Improved Blood Turnip**—Used more than any other variety in the United States for a second early and fall crop. Beautiful, smooth, round, dark red skin and flesh. Very sweet and tender. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Improved Long Smooth Blood**—A very tender, sweet variety, having the darkest red flesh of any, but owing to its shape is not so desirable for market purposes. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

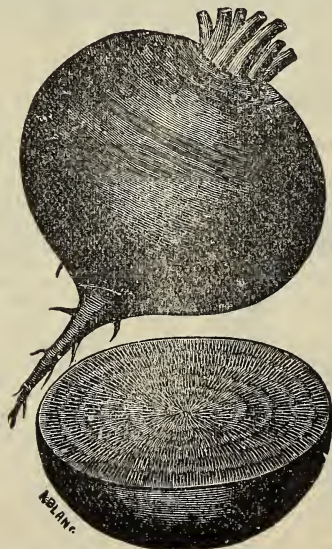
**Swiss Chard, Silver or Sea Kale**—Grown entirely for greens; and the mid rib of the leaves, which are eaten same as celery. Pkt., 5c; oz., 10c; ¼ lb., 20c.

**Edmand's Improved Early Turnip**—A splendid second early sort, having a small top; very smooth. Tender and sweet. Roots a dark red on outside, somewhat lighter on the inside. A good keeper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Bastian's Early Blood Turnip**—Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Bassano**—Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Blood Turnip**—Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



DEWING'S IMPROVED BLOOD TURNIP.





GOLDEN TANKARD.

**Golden Tankard**—As its name indicates, this sort is of Tankard shape, has small top and neck; grows largely above ground, easily harvested; grows to very large size, hence a large cropper; has a beautiful yellow flesh, containing more sugar and less water than many varieties, hence exceedingly profitable as feed for dairy cattle; imparting a richness to both milk and butter alike. Price postpaid, oz., 5c; ¼ lb., 10c; lb., 35c; not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.00.

## Klein Wanzleben.

**Klein Wanzleben** is grown more than any other variety for sugar purposes, as it will test a greater percentage of sugar and on this account, it is also used largely for stock feeding. The root grows quite large, is tapering in shape and easily dug. Is a heavy yielder. Price, postpaid, oz., 5c; ¼ lb., 15c; lb., 40c; not prepaid, 5 lbs., \$1.40.

### Lane's Imperial Sugar

A large and comparatively smooth variety, especially desirable for feeding cattle as it contains a heavy percentage of sugar: oz., 5c; ¼ lb., 15c; lb., 40c; not prepaid, 5 lbs., \$1.25.



YELLOW GLOBE.

## Mangel Wurzel Beets.

### For Feeding Stock.

Mangel Wurzels for stock feeding cannot be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving in hay. They can be raised at a very trifling cost, and yield immense crops per acre, if the soil is rich—you can hardly get it too rich—they make a heavy growth, and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivation.

### Five or six lbs. of seed required per acre.

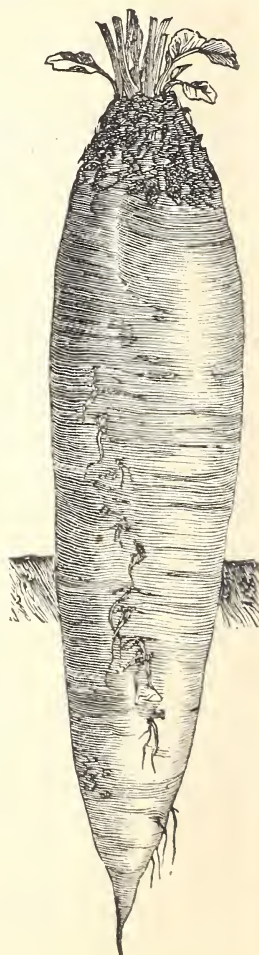
**Mangel Wurzel, How to Grow and Feed Them**, a book by J. J. H. Gregory, postpaid for 30c.

### Improved Mammoth Prize Long Red—Also

called Norbiton Giant and Jumbo Mangel. The heaviest cropping variety. Single specimens have been grown to weigh 50 pounds. It grows more than half out of the ground, and has produced from 60 to 75 tons per acre of the very best stock food. Price postpaid, oz., 5c; ¼ lb., 10c; lb., 35c; not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50.

### Yellow Globe—

Especially adapted to shallow soils. Is of fine grain. Is easy to harvest and an excellent keeper. Price postpaid, oz., 5c; ¼ lb., 10c; lb., 35c. Not prepaid, 5 lbs. \$1.25



Mr. Sylvester, Custer, Union Co., Iowa, writes, April 6, 1900: "I am pleased to say that your garden seeds have given entire satisfaction. I will always recommend them to all who want good, reliable seeds."



# BEANS

One quart to 100 feet of drill, two bushels to the acre.

Quart and pint prices on Beans include postage; if to go by express at buyer's expense, deduct 15c per quart, or 8c per pint from the price below. Our packets will be found very liberal.

## Wax or Yellow Poddled Varieties.

**Golden Wax** has pods of good average length and slightly curved; yellow stringless. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$3.50.

**Improved Rust Proof Golden Wax**—The best strain of Golden Wax, being very prolific and hardy, the pods are straight, thick and long, of a beautiful golden color, and stringless. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.



KIDNEY WAX.

**Kidney Wax**—Bush of medium size and very productive. Pods long, broad, flat and entirely stringless; of a beautiful pearl shade; a good selling variety, and not excelled by any as a family sort. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$6.00.

**Yosemite Mammoth Wax**—The monster pods of this new variety average 10 to 14 inches in length, are nearly all solid pulp and absolutely stringless, cooking tender and delicious; rich golden yellow, a vigorous grower. Pkt., 10c; ½ pt., 15c; pt., 30c; qt., 50c; pk., \$2.00.

**White Wax**—Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50.

**New Davis Wax**—All of the pods are very long, white, straight, handsome, crisp and tender. The vine is rustless and very vigorous, bearing near the center many clusters, some of which extend above the foliage. The dry beans are kidney shaped, clear, white and excellent for baking. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

**German Black Wax**—Very early. Will stand planting in cold ground. Pods round, very fleshy, waxy, yellow stringless. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

## Green Poddled Varieties.

**Stringless Green Pod**, Leads the Valentine in earliness; pods longer, straighter and fully as round and fleshy. Distinguished from all other green podded sorts by its absolute freedom from strings. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.50; bu., \$5.50.

**Improved Round Pod Valentine**—The finest of all Valentine strains. This variety is the main crop, green pod bean. It has a handsome round, green, fleshy pod, entirely free from string until very old. A good bearer and of the very best quality. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.25; bu., \$4.75.

## Other Green Poddled Varieties.

**Early Mohawk**—Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.25.

**Speckled Cranberry**—Good either for green or shell beans, extra fine flavored. Pkt., 5c; pt., 25c; qt., 40c.

**Early Long Yellow Six Weeks**—Pkt., 5c; pt., 25c; qt., 40c.

**Calta, or Mexican Tree**—Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., \$3.00.

**White Navy**—Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., \$3.00.

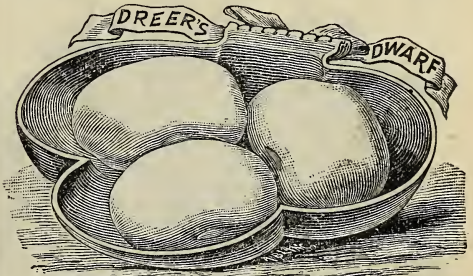
**White Marrowfat**—Pkt., 5c; pt., 15c; qt., 30c; pk., 80c; bu., \$3.00.

**White Kidney**—Pkt., 5c; pt., 15c; qt., 30c; pk., 80c; bu., \$3.00.

## Bush Lima Beans.

The Bush Limas should be planted 18 inches to 2 feet apart, as they form large bushes and must have room. Leave only two strong plants in a hill.

**Henderson's Bush Lima**—It grows in compact bush form, eighteen inches high, easily gathered, early and produces until frost. Beans one-half size of white Lima Pole variety. Pkt., 5c; pt., 30c; qt., 50c; ½ pk., \$1.00; pk., \$1.75.



**Dreer's Bush Lima**—The bush form of the Dreer Pole Lima. The beans are of medium size and of extra fine quality and sweet. The pods contain 4 and 5 beans, and an easy and rapid sheller. Pkt., 10c; pt., 30c; qt., 50c; ½ pk., \$1.25; pk., \$2.25.

**Burpee's Bush Lima**—This sort has the largest beans of any, 2 and 3 to the pod, of fine quality. The bush is large and must have ample room. Pkt., 10c; pt., 25c; qt., 50c; ½ pk., \$1.15; pk., \$2.00.

## Pole Beans.

Don't plant pole beans until the ground is thoroughly warm. One quart makes from 100 to 200 hills, according to the size of the beans.

**Cut Short or Corn Hill**—Almost every one knows the Old Cut Short Bean. They are always good. Pods round and tender, an abundant yielder. Pkt., 10c; ½ pt., 15c; pt., 30c; qt., 50c; ½ pk., \$1.15; pk., \$2.00.

**Lazy Wife's**—The pods grow from 6 to 8 inches long, entirely stringless, and of a rich, buttery flavor. They grow in great bunches, hence easily and quickly picked. The pods retain their rich flavor until nearly ripe; a good white shell bean for winter use also. Pkt., 10c; ½ pt., 15c; pt., 30c; qt., 50c; ½ pk., \$1.25; pk., \$2.25.

## BEANS—Continued.

**Early Dutch Case Knife**—One of the earliest of the pole varieties, white seeds, is good green or dry, very productive. A good bean for planting among corn. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c; ½ pk., 75c; pk., \$1.40.

**London Horticultural or Speckled Cranberry**—A round, speckled bean, tender for snap beans and excellent for shelling. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.50.

**Scarlet Runner**—An ornamental sort, used same as Morning Glories. Pkt., 5c; ½ pt., 15c; pt., 25c.

**Red Giant Wax**—Pkt., 5c; ½ pt., 15c; pt., 30c.

## Lima Pole Beans.

**Extra Early Jersey**—For general planting, particularly at the north, this is the best variety. Vines vigorous and very productive; leaves large, pods broad, flat, beans large flat; white. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 50c; ½ pk., 75c.

**Large White**—Pods broad and rough. Seeds large, broad and white. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c; ½ pk., 75c.

**Dreer's Improved**—Smaller seeds than the preceding, but more hardy and more productive. Best flavored of any. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 50c; ½ pk., \$1.00.

## Soja Bean--American Coffee Berry

This valuable forage plant has attracted increasing attention yearly. It is one of the most nutritious of all vegetable products. It will produce a crop of twenty or thirty bushels per acre and is as easily grown as other beans. For pasturing or feeding as green fodder it is very valuable and nearly equal to clover for fertilizing. It also has a further notable use and that is as a substitute for coffee; as when roasted it can hardly be told from the Brazilian coffee. Pkt., 10c; pt., 20c; qt., 35c; pk., \$1.00. Write for prices on larger quantity.

## Cress.

A well known pungent salad; can be used alone or with lettuce.

**Curled Garden Cress**—Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed. Very fine; may be cut two or three times. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb. 50c.

**Water Cress**—This is a well known, hardy, perennial, aquatic plant. It is easily grown by planting along the margins of ponds and streams, where it increases rapidly. Pkt., 10c; ½ oz., 20c; oz., 35c.

# ...CELERY...



## WHITE PLUME.

**White Plume**—A handsome, crisp sort, of easy cultivation, as it is almost self blanching, requiring for this purpose but a single hoeing up of the earth about the stalks. The flavor is excellent. It is one of the best and earliest varieties; should be used early, as it is not so good a keeper as some. It must not be allowed to freeze. Pkt., 5c; ½ oz., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**Pink Plume**—Very much the same as White Plume, except that the stalks are suffused with pink. The quality is the same as will all rose or pink sorts, the very best. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c.

**Boston Market**—Distinct in being of blanching habit. Is white, of good flavor, very solid, not injured by frost, a good keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**Golden Heart**—A variety of dwarf habit, solid and of fine, nutty flavor. When blanched the heart is of a light yellow, making it showy and desirable for either market or private use; a good keeper, and if frosted in the fall before harvesting it is only injured so far as frosted, while with some sorts the whole stock is ruined. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**New Golden Rose**—Also called Rose Ribbed Golden self blanching. A sport from Golden Self Blanching, having the same golden color in general, but also shows a delicate rose hue. A strong grower, plant dwarf and heavy, stalks smooth, free from ridges, solid and crisp, of exquisite flavor, and very beautiful. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

**Golden Self Blanching**—Self blanching, requiring only a slight banking up to render it crisp and nice; also to give the heart that rich golden color peculiar to this variety. Desirable for fall and

early winter use. A vase full of this and White Plume is very beautiful—really an exquisite ornament to the table. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

**Giant Pascal**—Of a beautiful golden color; has thick, solid, crisp stalks. A very rich nutty flavor. Very large, never stringy, a fine keeper and shipper. Requires only banking enough to hold it in an upright position, when it blanches and becomes as "brittle as a pipe stem." Pkt., 5c; oz., 15c; ¼ lb., \$1.50.

**Celeriac**—(Turnip rooted celery.) Differing from other kinds of celery in that the root is used in place of the stalks. Nice for flavoring soups, stews, etc.

**Turnip Rooted**—Pkt., 5c; oz., 20c.

**Giant Prague**—Apple shape. Pkt., 5c; oz., 20c.



# Livingston's Reliable Cabbage Seed

**I**T is very important to have Cabbage Seeds right, as varieties of the poorest quality will germinate and produce as fine plants as any; so that it is impossible to tell from their appearance what the crop is going to turn out until it is too late to grow anything else, and you are out for seed, your time and the use of the land to grow for us, and he is located at a point especially adapted to the business. There we have a man who has had a great many years' experience in Cabbage Seed growing are only a few places where the best seed can be grown.

**CABBAGES:** How to grow them.—By J. H. Gregory. Full details on every point, 30c.



**EARLIEST ETAMPES.**

One ounce of seed will grow from 1,000 to 2,000 plants, and sows an area of about 46 square feet.

**Earliest Etampes**—The earliest variety we have; and while not so solid as the Early Wakefield, yet for the market gardener it has value on account of coming into use about a week earlier than any other kind, and will sell well, as there is no better variety to compete with it. We do not recommend it for the kitchen garden. The heads are oblong and of medium size. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., \$1.50.



**EARLY JERSEY WAKEFIELD.**

**Early Jersey Wakefield**—The best of the early sorts. Always forming a good solid head. Our strain of it produces a head to almost every plant. We can heartily recommend it for both market and kitchen gardens as the best of the early pointed headed varieties. It is of fine grain and quality. Can be grown closely as the plants do not require much room. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Early Spring**—A valuable acquisition, being a round, flat headed cabbage as early as Wakefield. It is of the early summer type, heads a trifle smaller, very solid, with few outside leaves, enabling it to be planted very close; very uniform in shape and size, finely bred and free from any rankness of flavor. Growers will find the Early Spring a most profitable variety. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.



**HENDERSON'S EARLY SUMMER.**

**Henderson's Early Summer**—The Early Summer is the first one of the flat heading sorts to come into market, and it is preferred by many on account of its shape. It is of good size and very fine grained. An excellent early variety, and by successive plantings it can be had from spring till fall. A good keeper. Can be planted closely on account of few outside leaves. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

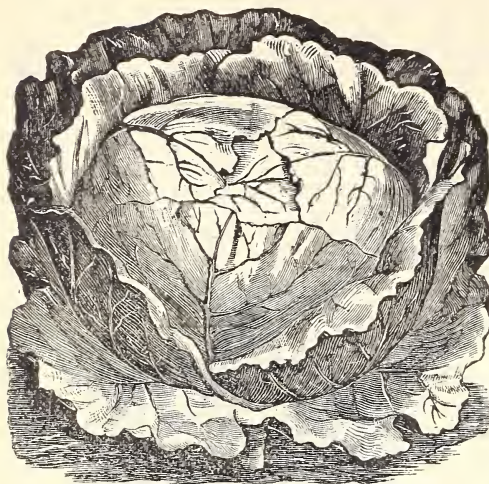
**Early Winningstadt**—The variety is about a week later than the Wakefield, having a pointed and an exceedingly solid head. It is so solid the worms seem to look on it as too hard a job to tackle, and so pass it by for the more loosely growing sorts. The heads are very pointed and crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



**ALL-HEAD EARLY.**

**All-Head Early**—A thoroughbred, being of uniform size, shape and color, and one that heads every time—almost. The deep flat heads are very solid and of fine quality. It is a compact grower, hence can be planted as close as eighteen inches apart in the row. By sowing seed late it is an excellent winter variety. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.





LIVINGSTON'S BLUE BLOOM.

**Holland or Danish Ball Head.**

When a large proportion is stored for winter sales, for winter marketing, and pre-eminently for spring and late spring sales when cabbages usually bring the highest price, this is the cabbage. Those who raise it will have the markets of late spring entirely to themselves. To get the very hard, heavy heads, plant ten days earlier than the common Drumhead and manure liberally. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.



HOLLAND OR BALL HEAD.

**Burpee's Sure Head**—Is a very reliable header; large, round, flattened heads of the Flat Dutch type; a good keeper and shipper; exceedingly popular. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**Other Standard Varieties—**

**Chase Excelsior.** Pkt., 5c; oz., 20c.

**Fottler's Brunswick.** Pkt., 5c; oz., 20c.

**Luxemburg.** Pkt., 5c; oz., 25c.

**Large Drumhead.** Pkt., 5c; oz., 15c.

**Marblehead Mammoth.** Pkt., 5c; oz., 20c.

**Drumhead Savoy.** Pkt., 5c; oz., 20c.

**Early Flat Dutch.** Pkt., 5c; oz., 20c.

**Blood Red Dutch.** Pkt., 5c; oz., 20c.

**Early York.** Pkt., 5c; oz., 15c.

**Early Drumhead.** Pkt., 5c; oz., 15c.

**Livingston's "Blue Bloom"**—This variety, it seems to me, cannot be improved for main crop to be used in the fall, and if planted late it **KEEPS ALL WINTER**

in prime condition. Our stock of it is grown from heads (not stumps) each one of which would sell for a good price on the market. This produces vigorous seed which in turn produces fine healthy plants of strong growth throughout the season, resulting in heads of large size, solid and of fine grain and quality. It has very few outside leaves, these having the beautiful "blue bloom" on them suggesting its name. It trims to a fine white, compact head, and will net more pounds of cabbage at for any purpose than any variety with which we are acquainted. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

**Livingston's Premium Flat Dutch**—For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender. With favorable weather 95 per cent often form heads. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**All Seasons**—An excellent sort for the family or small gardener who wants to make one cabbage patch do for "all season." The heads do not all form at one time, and will stand the hot sun and dry weather fine. They are almost round and very sure to head. Also a good keeper. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**SHORT STEM DRUMHEAD.**

Heads are very large, extra hard, solid, round, flattened on the top, uniform in size and are always of the finest quality and a sure header. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

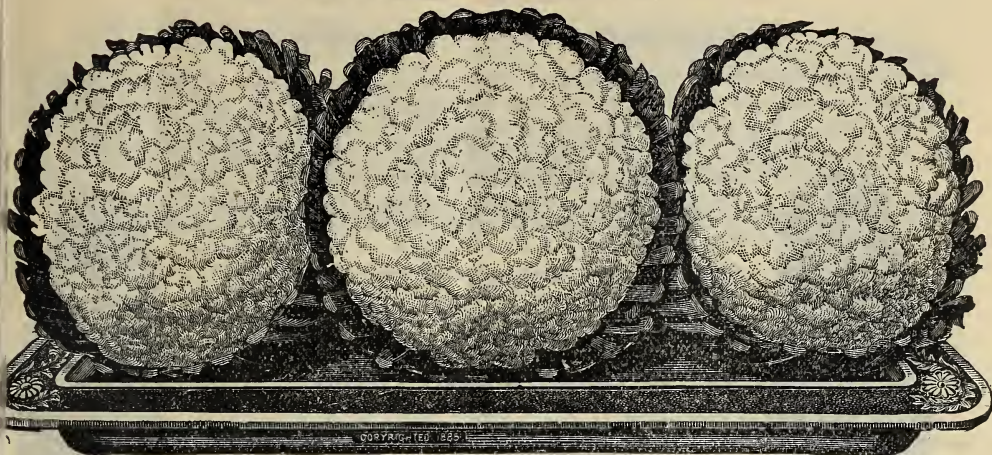
**MAMMOTH RED ROCK.**—This is by far the best, largest and surest heading red cabbage ever introduced. The head is large, round, very solid, and of a deep red color. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c.



BURPEE'S SUREHEAD.



# CAULIFLOWER.



**Cauliflowers and How to Grow Them—20c**

One ounce gives 1,000 to 2,000 plants.

**Livingston's Earliest—**This is certainly the best type of cauliflower in the market. It is unexcelled by any variety for earliness. If planted March 1st, large heads will be produced in June, and scarcely a single head will fail to form. It does equally well for late planting. Our stock cannot be excelled. Pkt., 25c;  $\frac{1}{4}$  oz., 90c; oz., \$3.50;  $\frac{1}{4}$  lb., \$12.00.

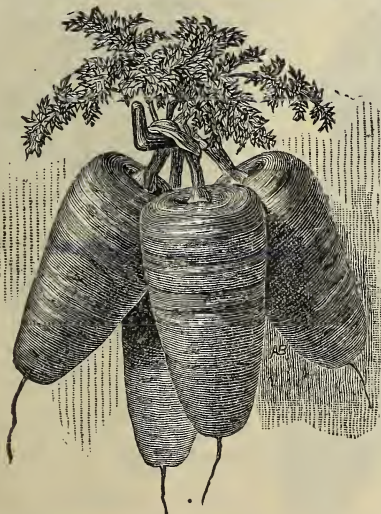
**Early Snowball—**Pkt., 20c;  $\frac{1}{4}$  oz., \$2.50.

**Extra Early Dwarf Erfurt—**Scarcely a plant fails to produce a head. It is of dwarf habit, compact growth, short outside leaves, and can be planted 20 inches apart each way. Our stock is of the best grade. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25;  $\frac{1}{4}$  lb., \$7.50.

## CARROTS.

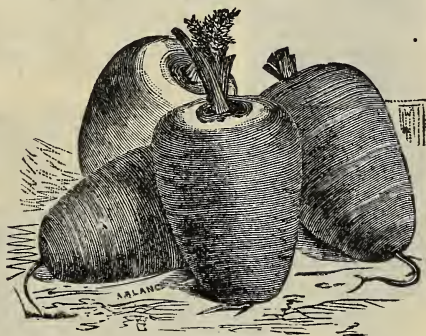
One ounce sows 150 feet of row. Four lbs sow an acre.

**Gregory on Carrots, Mangel Wurzel, etc.—**  
How to Raise, Keep and Feed Them—30c.

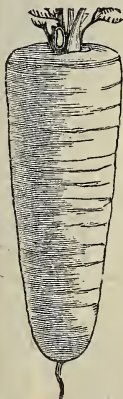


CHANTENAY HALF LONG SCARLET.

**Early Short Scarlet Horn—**Is stump rooted, second in size; fine for forcing; rich color and good flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.  
**Improved Long Orange—**Standard late kind, deep orange color; yields well. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



OXHEART.



DANVERS

**Oxheart or Guerande—**This carrot grows three to four inches in diameter at the top. It is very fine quality for table use. Where other sorts require digging, Oxheart can be easily pulled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Chantenay Half Long Scarlet—**A stump-rooted variety, tapering slightly, but uniformly smooth, of a deep orange red color, medium sized top, with small neck; medium early and can be pulled by one hand. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Danvers—**One of the most productive and best for field culture. Tops medium, roots dark colored, large, but of medium length, tapering abruptly at the point; flesh deep orange with yellow center, sweet and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Large White Belgian—**Very productive; grown almost entirely for stock. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 40c.



## ✻ ✻ SWEET CORN ✻ ✻

One quart plants 200 to 300 hills. 8 to 10 quarts for an acre.

Quart and pint prices on Corn include postage; if to go by express, at buyer's expense, deduct at the rate of 10c per quart. Half-pint package is right size for small families. They are supplied at pint rates.



K's Early Giant.

**Columbus Market**—The New Columbus Market possesses one great advantage and that is its very large size for such an early sort. It comes into market with the second earlies, such as Shakers' Early, Crosby's Early, etc but is very much larger. The tips of the ears are often entirely covered over with kernels and have an average of 16 rows of fine, large, deep, white and very sweet grains. Has small cob. It is a very prolific sort, and so persistently evergreen as to render it very valuable for home or market. Stalk strong, and of only medium height. Pkt., 10c; pt., 20c; qt., 30c; pk., 80c; bu., \$3.00.

**Shaker's Early**—A very fine, pure white sort, coming quite early. Pkt., 5c; pt., 15c; qt., 25c; pk., 75c; bu., \$2.50.

**Hickox**—A very fine, large eared sort, coming a week earlier than Stowell's Evergreen. Pkt., 5c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.00.

**Extra Early White Cory**—Very early. The first sweet corn to come into bearing; small ear, broad, white grains and cob. Pkt., 5c; pt., 15c; qt., 25c; pk., 75c; bu. \$2.50

**Mammoth White Cory**—Claimed to be an improvement on the above, on account of size and yet comes just as early. Twelve rowed instead of eight, thereby preventing rows from standing apart as with the old sort. Pkt., 5c; ½ pt., 10c pt., 15c; qt., 30c; pk., 80c; bu. \$2.75.

### Kendel's Early Giant.

**Kendel's Early Giant Sweet Corn**—Not a mere novelty, —but an article of real merit, and we believe will come into general use. The ears grow to large size, measuring 8 to 10 inches long, and having 10 to 18 rows on a cob, the majority having 12 rows; kernels pure white, sweet and tender. Gardeners report this corn ready to use in 60 days grown on sandy soil and 72 days on heavy soil. Dealers and truckers are enthusiastic over its large size and earliness. Pkt., 5c; pt., 15c; qt., 30c; pk., 75c; bu. \$2.50.

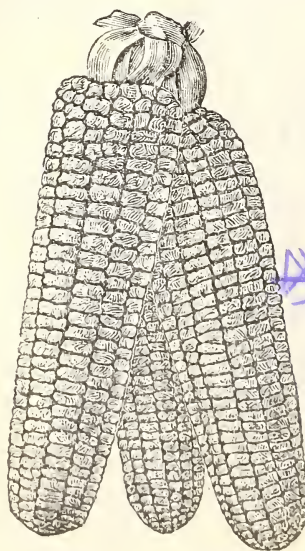
**Early Champion**—Of all the Early Sweet Corn this is the largest. Comes but a few days later than the small eared sorts. A favorite with market gardeners. The ears are medium size; fine appearance; kernels tender and sweet, cob white. Pkt., 5c; pt., 15c; qt., 30c; pk., 75c; bu., \$2.50.

**Early Minnesota**—Immediately follows the Cory corn in time of ripening and is a little larger. Has a white cob and grain; the one we always advise for the first crop in the kitchen garden. Pkt., 5c; pt., 15c; qt., 30c; pk., 70c; bu., \$2.25.

**Perry's Hybrid**—Almost as early as Minnesota, but a much larger ear. Kernels large and very sweet. When ripe they are red in color. Pkt., 5c; pt., 15c; qt., 30c; pk., 75c; bu., \$2.50.



CORY.



EARLY CHAMPION.

**Stowell's Evergreen** — The that almost everyone has grown; large, pure white ear; cob white and grain very deep. We have a selected stock. Pkt., 5c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.00

**Mammoth**—The largest and latest of all varieties. Matures about the same time as common field corn, and is even larger than some of them. It has a white ear and cob. Pkt., 5c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.00.

**Fodder Sweet Corn**—Nothing seems to be more highly relished by stock than sweet corn fodder. Pk., 40c; bu., \$1.50.

**Extra Early Cory**—Pkt., 5c; pt., 15c; qt., 25c; pk., 75c.

**Crosby's Early**.—Pkt., 5c; pt., 15c qt., 25c.

**Egyptian**.—Pkt., 5c; pt., 15c; qt., 25c.

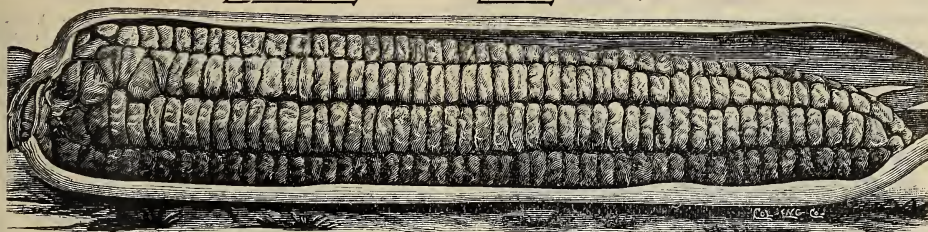
**Black Mexican**.—Pkt., 5c; pt., 15c qt., 25c.

**Burlington Hybrid**.—Pkt., 5c; pt., 15c; qt., 25c.

**Country Gentleman**.—Pkt., 5c; pt., 15c; qt., 30c; pk., 75c.



## • LIVINGSTON'S EVERGREEN •



### Livingston's Evergreen Sugar Corn.

This variety was introduced in 1860, and it is now a general favorite with marketmen throughout the United States. It is a first class second early corn, and can be planted here as late as the first week in July. It is very productive; has large well filled ears, with broad kernels and very small cob, filled well over the tip; very sweet (none sweeter). Some gardeners have told us they "worked up" a trade on it because of its extra fine quality. A good copper, grows only 6 or 7 feet high. It makes a very profitable food crop for hogs, milch cows and other stock when early feeding is desired and at a time when other feed is short. Pkt. 5c; pint, 15c; quart 30c; peck, 60c; bu. \$2.25.

## CUCUMBER.

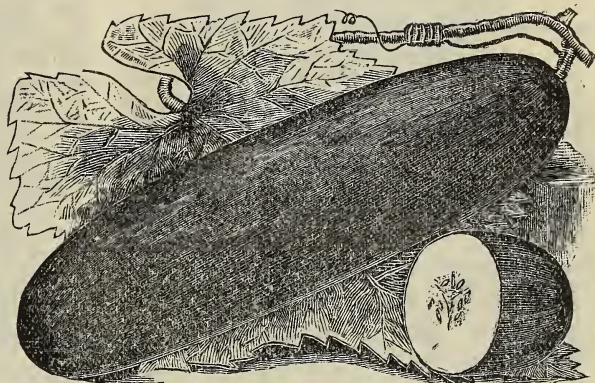
It requires one ounce for fifty vines. 1 to 2 pounds for an acre.

The striped bug cannot destroy your crop of cucumbers if the seed is sown in rows. Just before vines start to run, cut out all plants, leaving the hills about four feet apart.

Slug Shot is the best powder to fight bugs with. 5 pound package, 35c; 10 pound package, 60c.

## Livingston's Emerald.

LIVINGSTON'S EMERALD is a most remarkable new sort, possessing that rich dark green color which has been so long desired. It is strictly an evergreen, holding its color until fully ripe. Its distinct dark green and spineless skin attracts the attention of every one. The fruit sets early, and its vigorous vines abound in straight, handsome fruits of the most desirable qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit, being dark green, straight and tender, makes an excellent pickle. It will prove a boon to those who grow under glass, or for long distance shipping, on account of holding its deep green color so much longer than any other sort. When grown under glass this variety is not excelled for beauty, color and form even by the best English Frame varieties. It is almost entirely free from "warts and spines," so much so that it may be called spineless. As an all-purpose market variety it cannot be surpassed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



L. A. Reed, Berkley, Mass., writes: "Last spring I planted your Emerald Cucumber after danger from frost was over, and was surprised at the short time it was germinating, coming up in less than three days. I find it the finest cucumber I ever raised, being so tender and free from bitterness. Also great productiveness and pickling qualities."

Mr. J. S. Ireland, Van Wert, Ohio, writes: "Your Emerald Cucumber is No. 1, and a good

bearer. It is the best cucumber we have raised for years. I can cheerfully recommend it."

W. F. French, N. C., writes: "The Emerald Cucumber is the finest I ever saw, and I do not believe any one ever saw any finer."

Charles E. Mapes, N. Y., writes: "I find your New Emerald Cucumber to be first class, large, smooth and prolific and the best flavor of any I ever raised."



**CUCUMBER—Continued.**

**Early Green Cluster.**—A short, prickly seeded variety bearing in clusters near the root; color pale green. It is a great bearer and matures early. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

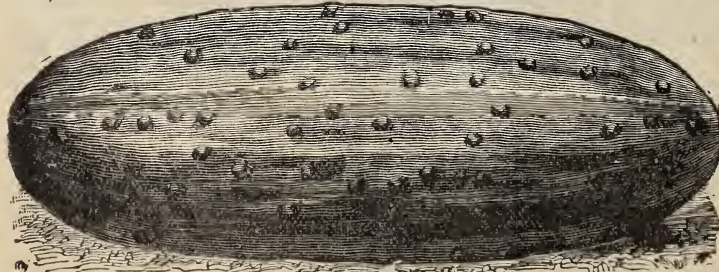
**WHITE SPINE.**

**Improved White Spine**—The old standard sort, and used to day as much or more than any other sort. It is alike good for pickling or slicing of good shape at all stages of its growth, of a beautiful green color when of pickling size. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Peerless White Spine**—One of the finest strains of White Spine. Fruit of large size, straight, productive; skin deep green, holding color until maturity. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Cool and Crisp**—Skin very dark green; flesh crisp and tender; good for pickling or slicing; quite early. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c.

**Livingston's Medium Green**—Worthy a place among the very best of pickle sorts. Always of uniform size and color. Very productive, whether a wet or dry season. Many of the so-called new varieties might well take a back seat for this one. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**HILL'S FORCING WHITE SPINE.****Livingston's Evergreen.**

It is generally admitted to be the finest pickle sort possessing, as it does, all the necessary requirements for producing pickles of even size, just as large at one end as the other; no difference if it is a dry season, which usually results with some varieties, in producing pickles with necks at the stem end, rendering them almost useless. It is very hardy and bears until frost, if the large seed cucumbers are cut off. It is very prolific of nice crisp fruits, of a beautiful green shade. It is a splendid slicing variety also. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Improved Long Green**—A standard all-around variety. Excellent for slicing; quality crisp and delicious. The smaller fruits are used for pickling. Larger ones can be allowed to ripen for preserving. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 12c; lb., 40c.

**Early Frame, or Early Short Green**—Productive, of vigorous growth, early, fruits medium and straight. Popular for both table use and pickling. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Serpent or Snake Cucumber.**

A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake, with the head protruding, and sometimes are several feet in length. The illustration represents their shape. Quality fair. Grown more for curiosity and exhibition than table use. Pkt., 5c.

**Japanese Climbing**—A climbing sort, with extra strong tendrils. Saves room in small gardens by growing on trellis; very prolific; flesh thick and tender. Pkt., 5c; oz., 10c.

**Rollinson's Telegraph (Astro)**—A variety that is only grown in hot beds and greenhouses; 18 inches long; bright green, perfectly smooth. Pkt., 15c.

**Small Gherkin (Burr Cucumber)**—Is esteemed highly for bottling. It is small in size, in shape like a chestnut burr. Quality fine. Pkt., 5c; oz., 10.

**Extra Early Russian**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Chicago Pickle**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 12c; lb., 40c.

**Green Prolific**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 12c; lb., 40c.

**Hill's Forcing White Spine**—Originated near Boston, and for years Mr. Hill, the originator, had the trade all his own way in that market, as his cucumbers were ready for market before others, and were of such perfect form, so remarkably even, and of that desirable dark green color. Grows more compact about the hill than most other kinds, and being early is an excellent variety to grow for market. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



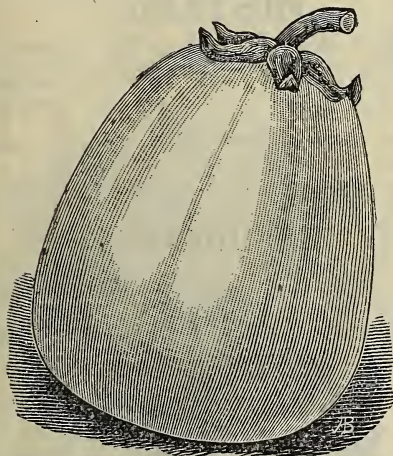
## EGG PLANT.

One ounce of seed makes 1,000 plants.



IMPROVED LARGE PURPLE.

**Improved Large Thornless Purple**—This entirely distinct strain has been produced by careful selection from the New York Purple. The objects aimed at were: Fruit of large size, early, of beautiful glossy purple and to do away with the thorns which are so injurious both to the hands when gathering the fruits and to the fruit itself when shipping. The plant is of strong, branching, vigorous habit. Fruit of large size, of a very rich deep purple hue, flesh white, and of delicious flavor when properly cooked. We are confident this strain of large purple egg plant cannot be improved upon. Pkt., 5c;  $\frac{1}{2}$  oz., 20c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.00.



PEARL WHITE

**New Pearl White**—Very much the same in quality, size, shape, productiveness and manner of growth as the Large Purple, but differing in color. It is of a pure, creamy white, with slight shading of green near the stem. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c.

### Garlic.

Prepare ground same as for onions, and plant in early spring, in drills eight inches apart, four inches in the rows, covering two inches deep. Esteemed for flavoring soups and stews. We can supply the bulbs only. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c. By express (not prepaid) 5 lbs., for \$1.00.

## ENDIVE—Winter Lettuce.

One ounce of seed sows 150 feet of drill.

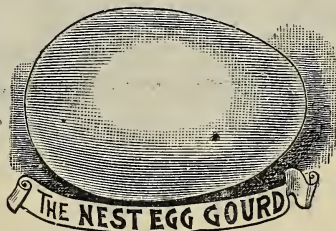
**Green Curled**—It is the hardiest variety, with beautifully curled green leaves, which blanch white; very crisp and tender. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c.

**Broad Leaved Batavian**—Forms large heads of broad, thick leaves. Preferred for flavoring soups, and is also excellent blanched to form a salad. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c.

## GOURDS.

**Dipper**—Can be used for dippers; they will hold from a pint to a quart and a half, the handles being from 6 to 18 inches long. When growing on the ground the handles will be curved while if grown on trellis or tree the weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through rapidly. They are easily prepared and last for years. Pkt., 5c; oz., 15c.

**Ornamental Sorts**—Many beautiful shapes and colors. Mixed seed. Pkt., 5c.



**Nest Egg**—(Japanese Nest Egg)—These exactly resemble in color, shape and size a hen's egg; they do not crack, and are uninjured by cold or wet; they make the best nest eggs. As the plant is a rapid growing climber, it is very useful for covering screens, etc., being quite ornamental. Pkt., 5c; oz., 25c.

**Dishcloth, or Luffa**—A natural dishcloth, and a most desirable one, is furnished by the peculiar lining of this fruit, which is sponge-like, porous, very tough, elastic and durable. It also makes an excellent substitute for a sponge when bathing. The fruit grows about two feet in length, and the vine very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery shaded dark green foliage. In the north this variety should be started in a hot bed. Pkt., 5c; oz., 25c.

**Sugar Trough, or Sap Bucket**—This variety grows to a very large size, holding from 4 to 10 gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. They are used for a great variety of purposes, such as buckets, baskets soap and salt dishes, nest boxes, etc. Pkt., 5c; oz., 15c.

**Hercules Club**—This variety of gourd grows to immense length; often from four to eight feet. To grow them straight the vines should be trained up to a pole or trellis so the gourds will hang down. If left lying on the ground they grow into many odd shapes. Pkt., 5c; oz., 15c.

**Gourd Collection**—One packet each of the above six gourds only 15c; any three for 10c. Try a gourd collection.



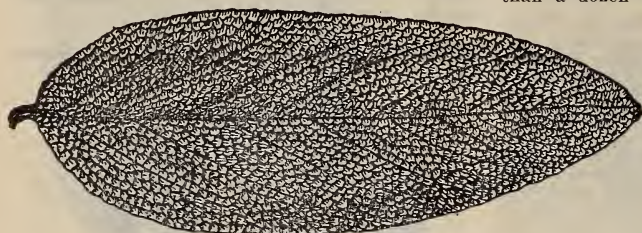


# HERBS.



Herbs delight in a rich, mellow soil. Sow the seeds early in the spring, in shallow drills, one foot apart. When up a few inches thin to proper distances. Care should be taken to harvest them on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in dry boxes to exclude the air entirely.

## Holt's Mammoth Sage.



(Holt's Mammoth Sage.)

## Kohl Rabi.



When young and tender they are fine for table use. Better, as a rule, than Early Turnips, sweeter and more tender. For early use sow in hot bed and transplant like cabbage. For winter use sow about middle of June, in rows eighteen inches apart, thinning to three inches in the row.

One ounce of seed for 1,500 plants.

### Early White Vienna—

Flesh white and tender. Best for forcing for early market. Pkt., 5c; ½ oz., 10c; 1 oz., 20c; ¼ lb., 6c.

### Early Purple Vienna—

A little later than the

white, and of purple color. Pkt., 5c; ½ oz., 10c; 1 oz., 20c; ¼ lb., 6c.



## LEEK.

Plant the seeds in April, in drills one foot apart and one inch deep. When six or eight inches high remove plants to deep, rich soil, setting them in rows 12 to 18 inches apart. Plant as deep as possible, and during growth draw the earth to them to blanch the stems.

One ounce of seed to 1,500 plants.

Large American Flag—Pkt., 5c; oz., 10c.

Large Musselburg—Pkt., 5c; oz., 10c.

Anise .....	Pkt. 5c; oz., 15c
Balsam Apple .....	Pkt., 5c
Basil, Sweet .....	Pkt. 5c; oz., 15c
Borage .....	Pkt. 5c; oz., 10c
Caraway .....	Pkt. 5c; oz., 10c
Coriander .....	Pkt. 5c; oz., 10c
Dill .....	Pkt. 5c; oz., 10c
Fennel, Sweet .....	Pkt., 5c; oz., 10c
Hoarhound .....	Pkt. 5c; oz., 25c
Lavendar .....	Pkt. 5c. oz., 25c
Rosemary .....	Pkt., 5c; oz., 40c
Rue .....	Pkt. 5c; oz., 15c
Sweet Marjoram .....	Pkt. 5c; oz., 15c
Saffron .....	Pkt. 5c; oz., 15c
Sage .....	Pkt. 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75
Savory, Summer .....	Pkt., 5c; oz., 10c
Thyme .....	Pkt. 5c; oz., 25c
Wormwood .....	Pkt. 5c; oz., 15c

This large leaved variety has been tested for years and we can recommend it as being far superior to the old variety. Yield more leaves to the plant than a dozen of the common Sage. Plants are

strong, grow a foot high and spread 2 to 3 feet the first season. The leaves are borne well up from the ground, are clean, strong in flavor, and of super-fine quality. Perfectly hardy, even in extreme Northern states. This variety does not produce seed, hence we offer strong rooted plants only. Each 8c; 2 for 15c; 4 for 25c; dozen 60c postpaid. Not repaid, 100, \$3.00.

## MUSTARD.

### Southern Giant Curled—(New Chinese)—

Highly esteemed in the south. Plants used very early in the spring as a salad. It produces plants about two feet high, and forms enormous bunches. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

White English—Mild and tender when young. Oz., 5c; ¼ lb., 15c; lb., 40c.

Brown or Black—Oz., 5c; ¼ lb., 15c; lb., 40c.

## MUSHROOMS.

Can be easily grown in any ordinary cellar or barn, and it is one of the most profitable crops to grow. One lb will spawn about 10 square feet. Printed instructions about growing free with order.



### Mushrooms, How to Grow Them—By Wm.

Falconer The most practical work ever written on this subject. Price \$1.00.

### ENGLISH MUSHROOM SPAWN.

It comes in pressed bricks. These are broken up into pieces about one inch square and put into the bed eight inches apart each way. Price, per lb., 30c; 5 lb., \$1.25, postpaid.



# LETTUCE.

One ounce of seed to 2,000 plants.

Livingston's Bon Ton—Crop failed.



## The New Wonderful Lettuce.

The Largest Heading Lettuce we have ever seen. It has been grown to weigh six pounds to the head, and frequently weighs two to three pounds. The heart is very solid, of pleasing light green color, very tender, very crisp, and without the slightest trace of bitterness found in the majority of lettuces. As an example of its "standing" properties, perfect lettuces were cut from the same bed for upwards of seven weeks. Pkt., 10c; oz., 20c; ¼ lb., 50c.

**Denver Market**—An early variety of head lettuce, good for use in the green house or open ground. It forms a large solid head of light green color. The leaves are beautifully wrinkled and are very crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c.



## THE ICEBERG.

The Iceberg—A quick growing head variety, having incurving leaves, which protect the heads from the sun, making it a good variety for summer as well as spring use. The little indentations in the leaves which retain drops of dew gives it a freshness not attained by most varieties. A very crisp, long standing sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**Early Curled Simpson**—Forms a mass of curly, oblong leaves, light green in color; good for first early crop. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 55c.

## Crisp as Ice—Bronze Head.

The glossy leaves are thick and nicely crimped like a fine curled Savoy Cabbage; outside they are beautifully variegated with bronze and green. The heads, when cut open, have a rich creamy yellow heart. An exceedingly superior family and home market lettuce, but on account of its extreme tenderness it is unfit for shipping or handling in large bulk. Pkt., 10c; ½ oz., 15c; oz., 25c.

**Prize Head**—Especially desirable for home gardens. Too tender for market unless delivered direct to the consumer. A large plant, deep green, washed with red, giving it a bronze appearance. Forms a dense mass of leaves, which are frilled at the edges and blistered. Very crisp, tender and good flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c.



## IMPROVED HANSON.

**Improved Hanson**—The heads grow to a remarkable size and are deliciously sweet, tender and crisp, even to the outer leaves. It is free from any unpleasant or bitter taste; not recommended for forcing, but for outdoor cultivation rarely equaled. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**Early Tennisball**—(Black Seed)—Pkt., 5c; oz., 10c; ¼ lb., 30c.

**Grand Rapids**—Pkt., 5c; oz., 10c; ¼ lb., 30c.

**White Summer Cabbage**—Pkt., 5c; oz., 10c; ¼ lb., 30c.

**Defiance Summer**—Pkt., 5c; oz., 10c; ¼ lb., 30c.



## BLACK SEED SIMPSON.

**Black Seed Simpson**—Forms a large mass of beautiful, crisp, curly leaves, very light in color; one of the best for growing under glass. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



## ❀ ❀ MUSKMELON. ❀ ❀

Use Slug Shot for the Bugs; 5 lb. packages, not prepaid, 35c; 10 lb. package, 60c.

Sow muskmelon in rows and when about ready to start running thin out into hills about 5 feet apart. This prevents the bugs from destroying them as is sometimes the case when planted in hills.

One ounce of seed for 50 hills; 2 to 4 lbs for an acre.



ROSE GEM, THE VARIETY USED AT ROCK FORD.

### Rose Gem.

The illustration alongside is an exact reproduction of a photograph of a tray of this improved Extra Early Netted Gem Melon. The shape, it will be observed, is a little more oval than the original strain, which gives them additional strength to stand shipping. The size has also been improved without losing a day in earliness. As now improved we regard it as the very best and most profitable extra early melon in existence for market gardeners and shippers, and nothing among the green fleshed varieties surpasses it for quality. The flesh is fine grained 'smooth as butter,' and very sweet; very similar to the popular Rockyford melons. Price of true seed—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### Paul Rose.

A cross between Osage and the Netted Gem, made to get the thick salmon flesh of the Osage and the reduced size and beautiful netting of the Netted Gem, and which has been accomplished to perfection. So says the seedsman who is introducing it. The flesh is not "stringy" or "mealy" but has a sort of "cheesy" consistency, cutting smooth and yet tender when eaten; has a very small seed cavity; is almost solid. The meat or flesh of a melon 4¾ inches in diameter frequently being almost two inches thick. It yields one-third less seed than the Netted Gem, but gains one-third in weight, owing to extra thickness of flesh. The dark green rind is covered with a gray netting. Long keeper, vigorous grower; withstands drouth well; very prolific. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Netted Gem**—One of the earliest and best small melons grown. Globular in shape, very uniform in size and weight, flesh light green and of very fine flavor, exceedingly productive and will keep for nearly a week after being picked; excellent for crating to ship. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Emerald Gem**—One of the sweetest melons in the list. Comes into bearing about same time as Netted Gem, but has a rich yellow flesh. As indicated by its name, it has a dark green rind only slightly netted. This is the only extra early variety having salmon flesh. The flesh is very thick, juicy and sweet. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



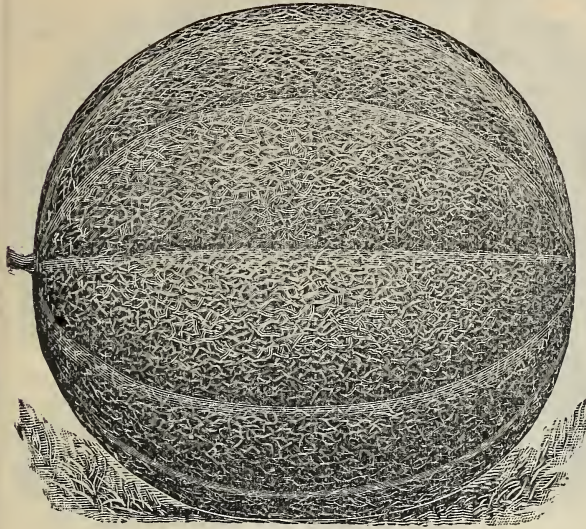
WINTER PINEAPPLE.

## Winter Pineapple.

As shown in the cut, the skin of this unique variety is corrugated instead of netted; and in color a rich yellow, tinged with green. The flesh is firm, light green in color, and has an agreeable pineapple flavor—very rich and melting. The most striking feature, however, is its wonderful long keeping qualities. It does not ripen on the vine, but should be CAREFULLY gathered after the first frost and stored the same as squash, in a cool, dry place, where they will gradually ripen. Bring them into a warm room a few days before wanted for the table. In this way they may be had up to quite late in the winter. Some specimens of this variety attain a size of 15 to 20 pounds, and are very odd and beautiful. Pkt., 5c; oz., 10c; ¼ lb., 25c.



## Livingston's New Tip Top.



LIVINGSTON'S TIP TOP.

This new sort is so distinct in appearance that it attracts attention. This feature is helpful to the farmer who grows them to sell, as his customers can readily pick them out, and he can easily establish a trade for them. They are uniformly good, early and late, big and little. We believe this is more true in regard to the "Tip Top" than any other kind of Musk Melon. The flesh is crisp, always sweet and of a beautiful salmon color. When first introduced the netting was slight but by careful selection a strain has been produced that yields specimens nicely netted. It is a very productive variety, the vine being a vigorous grower in all seasons. Try a patch of Livingston's Tip Top, and see if what we say is not true, every word of it. Price per pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Skillman's Fine Netted**—Small, early, with light green flesh, thick and sweet, and high flavored. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Jersey Belle**—One of the largest early sorts. It does well on light soils and comes equally early. It is slightly flattened on both stem and blossom sides, heavy ribbed and netted. It sells at sight, but when once used its exquisite quality makes firm friends of all. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Champion Market**—This is a fine green fleshed melon; just the right size for market, being neither too large for handling nor too small to bring a good price. Globular in shape, closely netted, handsome in appearance, medium early, very productive. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Baltimore Nutmeg**—Uniformly good in quality. Medium in size, oval and slightly ribbed, covered with a coarse netting, flesh thick, green, sweet; a good shipper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Green Nutmeg**—One of the very best, highly scented flesh, thick, sweet and fine flavored; of good size and quite early. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Extra Early Hackensack**—One of the best general crop, green fleshed nutmegs now offered. Round, well netted, large size; flesh green and thick, delicious flavor; beautiful in appearance. Our stock of this is excellent. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Perfection**—This variety has given general satisfaction on account of its extra fine quality. It is of the nutmeg shape and quite large size, five to eight pounds each. The skin is of a dark green color, heavily netted, and on this account are very salable. Flesh is very thick, salmon color and of very rich flavor. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Montreal Market**—The fruit is of the largest size, almost round, deeply ribbed, skin green and densely netted, flesh very thick, light green and of fine flavor. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Jennie Lind**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Grand Rapids**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Surprise**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

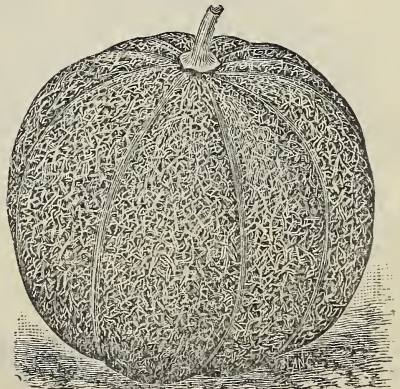
**Casaba**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Bay View**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Livingston's Market**—This sort is extra strong at the blossom side, and does not crack so badly as some. It has green flesh, same as Extra Early Hackensack, and will no doubt take the lead among green fleshed sorts. It is nicely netted, is productive, comes immediately following the little varieties. It is worthy a liberal trial by private growers as well as the gardener or trucker. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**Osage**—The skin is a dark green, slightly netted on the lobes of the upper side; on the lower side, resting on the ground, it is smooth and on this side it is eaten. It is thin one eighth of an inch of the outside. The flesh is of a rich salmon color. It is of medium size, never too small, very even and extra heavy, as the seed cavity is very small. It is sure of making a crop every year, and every specimen of delicious flavor. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Banana**—Yellow fleshed. Skin straw color, flesh quite thick and a rich salmon color. Grows from two to three feet in length; is early; reminds one of an overgrown banana. Pkt., 5c; oz., 10c; ¼ lb., 25c.



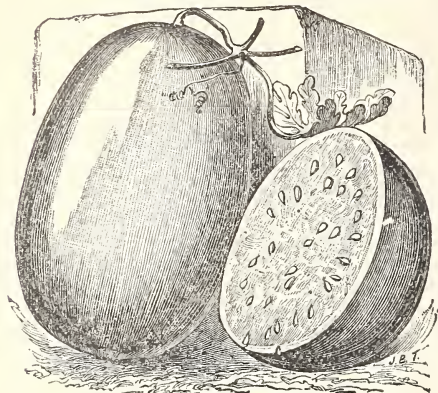
PERFECTION.



# WATERMELON.

Use Slug Shot to drive off Melon Bugs; 5-lb package 35c, 10-lb 60c. It must be sent by express or freight at buyer's expense.

One ounce of seed for thirty hills. One to two pounds for an acre.



FERRY'S PEERLESS.

**Ferry's Peerless**—The best melon for private gardeners, and for market gardeners who deliver direct to customers. Hardy, productive; fruit medium size, oval, finely mottled; rind thin; flesh bright scarlet, solid to the center, crisp and sweet. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

## COLE'S EARLY.

For the home market this is a very desirable early variety. It has a green rind striped with lighter shades. Rather oval in shape, of good size, flesh red, crisp and sweet. The quality is well sustained to the rind. A sure cropper, and early enough to be grown anywhere in the United States. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Phinney's Extra Early**—The first to ripen, good size, flesh deep red; a first class early market melon. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

## FORDHOOK EARLY.

The largest early melon grown. Fruit large, round; outer color medium green. Flesh bright red, of fine quality. A good shipper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Ice Cream**—Medium early, white seeds fruit oblong, rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Few, if any, surpass Ice Cream for quality and productiveness. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Mountain Sweet**—One of the very best for general culture; rind thin and dark green; flesh red, solid and very sweet. Per pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Dark Icing**—Fruit round and of medium size; rind dark green, thin, but very strong; flesh deep scarlet; rich, juicy and delicious. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

## CUBAN QUEEN.

A fine variety, growing in great size; flesh bright red, very solid and sweet. Enormously productive and an excellent keeper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

## THE DIXIE.

Possesses the desirable qualities of a good shipper, large size, handsome form, bright, fresh appearance; thin but firm rind, which will endure handling, and remains a long time before showing any signs of decay. It is a reliable cropper, the vines grow strong and very hardy, resisting cold and wet to a remarkable degree. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

## SWEETHEART.

Highly recommended as a most desirable sort for shipping. Very attractive in appearance, very large, a little longer than thick. Skin beautiful mottled green. Flesh bright red, firm and heavy but crisp and sweet. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

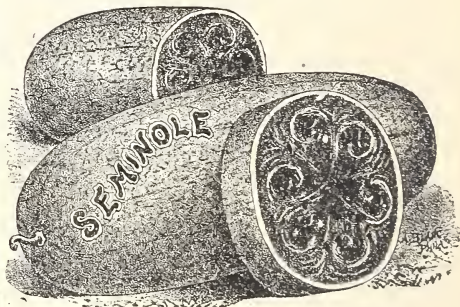
## McIVER'S WONDERFUL SUGAR.

Deliciously sweet, and melting. Claimed by the originator to be the sweetest melon ever sent out. Oblong in shape and has a beautiful mottled green skin. This variety produces good melons in either wet or dry season. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Mammoth Ironclad**—Immense size, handsomely marked, and oblong in shape; flesh red and very solid; the heart is large and flavor delicious. A heavy yielder. Pkt., 5c oz., 7c; ¼ lb., 15c; lb., 50c.

## GEORGIA RATTLESNAKE.

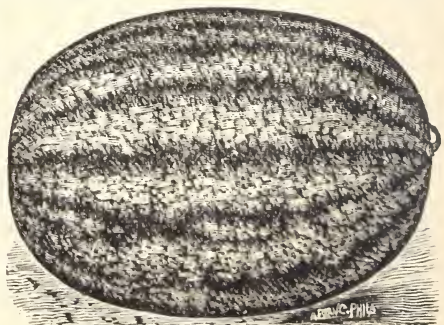
Fruit large, shape oblong, rind dark green striped and mottled, flesh red, of fine quality. It stands shipment long distances. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



## SEMINOLE.

Early, extremely productive, large and most delicious flavor. It is of two distinct colors, gray and light green; exactly the same in size, shape color of seed and flavor, and are found on the same vine. Try this variety for use on the farm; it will not stand marketing in large quantities. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Preserving Citron**—A round, handsome fruit of small size; used in making sweetmeats and preserves. Pkt., 5c; oz., 10c; ¼ lb., 25c.



THE DIXIE.



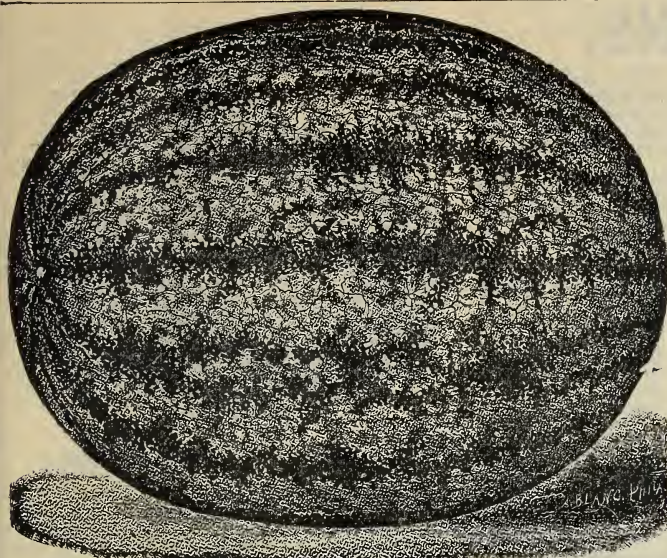
## Kolb's Gem.

### Selected Stock.

#### The Great Shipper

The rind quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor; seeds dark. It is one of the largest, most productive best keeping and shipping melons ever grown. A large acreage of this sort is planted every year as a main crop. Our stock of this cannot be surpassed.

Note our bargain prices on Kolb's Gem. Pkt., 5c; oz. 7c;  $\frac{1}{4}$  lb. 12c; lb., 40c. By exp. or frt. not prepaid, 5 lbs., \$1.25; 10 lbs. \$2.00; 25 lbs. \$4.50; 50 lbs. \$8.00.



KOLB'S GEM.

## Livingston's Nabob Watermelon.

### A New Distinct and Beautiful Melon.

Named and introduced in 1895. The best for the home garden. The best for the Market garden. The best for Shipping Trade.

Its hardy vines are vigorous, healthy and productive, its fruit large and heavy (30 to 50 lbs) resembles the Kolb Gem in shape and uniformity, but differing in color, being attractively and peculiarly mottled, rather than distinctly striped. The rind though thin, is very firm. Two average sized men have stood bearing their weight on a Nabob weighing 30 lbs., without cracking the rind or injuring the melon. The fruit keeps long in good condition, is not excelled in shipping qualities. Seeds dark buff or dun color; flesh deepest scarlet, firm, solid and of richest flavor. We have had it thoroughly tested on different soils, in various climates, and under unfavorable as well as favorable conditions, and all praise its good qualities. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c; 3 lbs., \$2.00, postpaid.

#### PRIDE OF GEORGIA.

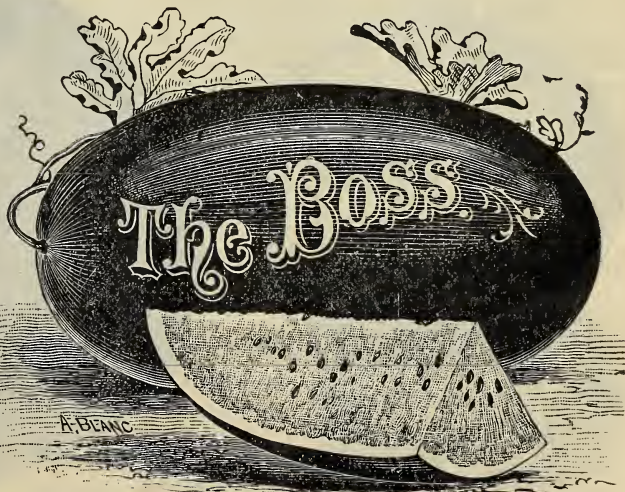
It is a dark green mottled color, nearly oval, slightly ridged, is firm, will ship well, attaining a large size and is very sweet and crisp. This variety is used by our largest growers for medium early crop almost exclusively. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c; 5 lbs., (not prepaid), \$1.50.

#### THE BOSS.

Large, long in shape, very dark green in color. Flesh red crystalline, melting, of unusually fine flavor, and extending almost to the skin. A variety certain to please, either for shipping or home consumption. Per pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

#### OKRA, OR GUMBO.

**White Velvet** — Round smooth pods, unlike other sorts which have ridged pods. This variety has the largest sized pods of any, and are not prickly. Produces in great abundance. Decidedly the best variety. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



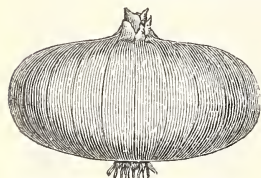


# ONIONS.

**The New Onion Culture**—This new book is full of new, original and valuable matter of material interest to those who grow onions. By the new process here described two bushels or more can be produced on the same ground that now yields one. Price 50c.

**Gregory on Onion Raising**—What kinds to raise and the way to raise them. Price 30c. One ounce onion seed sows 150 feet; four pounds to an acre.

## AMERICAN VARIETIES.



EXTRA EARLY RED.

### Extra Early Red

—medium size, flat, red variety; a good yielder and very uniform in shape and size. It comes into use about two weeks earlier than the Large Red Wethersfield; very desirable for early market use and

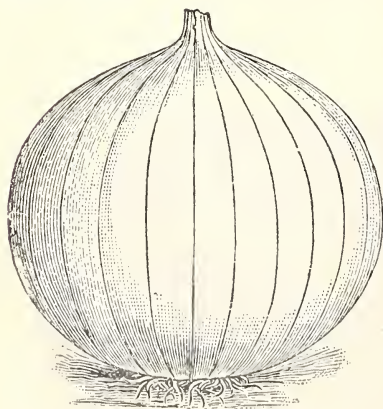
for sections like northern Iowa and Minnesota, where seasons are short. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb \$1.00. Not prepaid, 5 lbs., \$4.25.

**Yellow Dutch or Strasburg**—A flat yellow onion, a good keeper, later and larger than Danvers. Splendid sort from which to grow onion sets. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**Yellow Danvers Globe**—Extensively grown as main crop in the eastern states, and growing in favor in the west; of beautiful gold color, very productive; a first class keeper; bulb medium large, quite early, thick, oval; with small neck. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; not prepaid, 5 lbs., \$4.25; 10 lbs., \$8.00.

**White Portugal or Silver Skin**—Ripens early, large in size, excellent for winter use; much esteemed for pickling when small, and splendid for growing sets, but should be sown very thick for this purpose. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**Large White Globe**—This variety yields abundantly, produces handsome globe shaped pure white bulbs; the flesh is firm and fine grained; a good keeper. When sown very thick it produces a fine, pure white set. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.50.



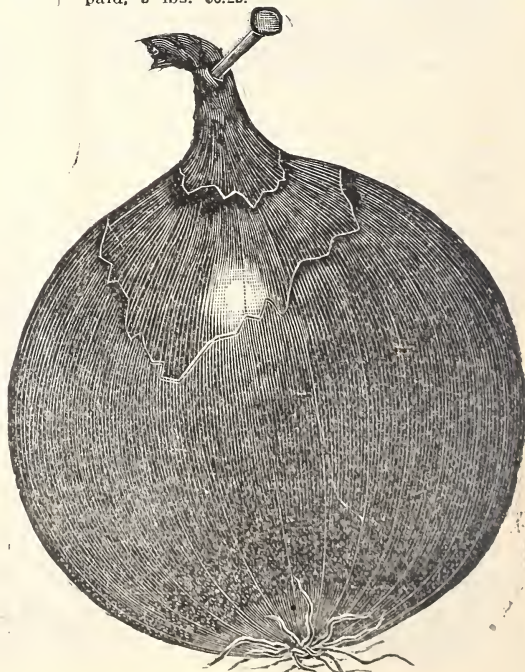
LARGE WHITE GLOBE.



Australian Brown Onion.

A most valuable variety from Australia, of medium size, hard and solid, attractive for market, both as to form and appearance. Extremely early in ripening, and never make any stiff necks or scallions. Every seed seems to produce a good sized onion. Planted with the Red Wethersfield it will be nearly four weeks earlier. It has the reputation of keeping indefinitely. The color of the skin is a clear amber brown. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**Southport Large Red Globe**—Matures a little later than Red Wethersfield. It keeps on growing longer, hence a heavier yielder. Is very round, beautiful, glossy, dark red in color and a good seller or keeper. Our customers are taking up with this variety very rapidly, as they find out how good it is. Our stock is unsurpassed, as it is grown from selected bulbs. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50. Not prepaid, 5 lbs. \$6.25.



LARGE RED GLOBE.



**Large Red Wethersfield**—For general purposes the country over, no red variety is so largely grown. Large sized, somewhat flattened skin deep purplish red. It is one of the best keepers. We cannot recommend it too highly as a general cropper and a variety that will do well anywhere that large onions can be grown. It yields enormous crops when the conditions are favorable. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00. Not prepaid, 5 lbs., \$4.25; 10 lbs., \$8.00.

#### FOREIGN VARIETIES.

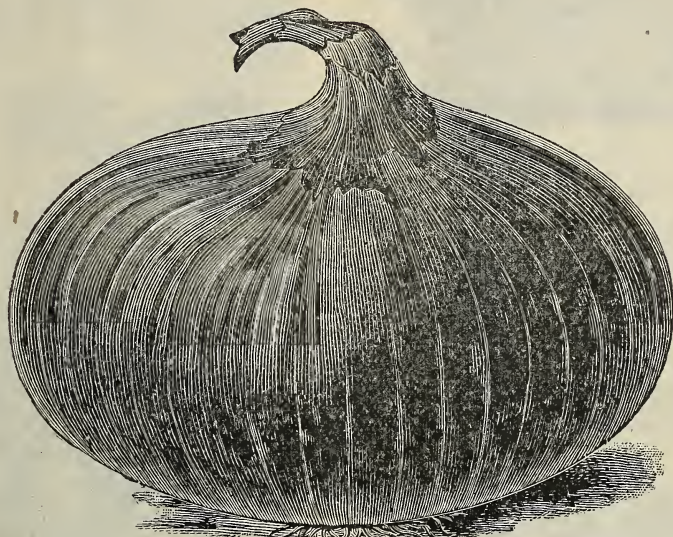
**White Barletta**—(A beautiful pickling sort)—The New Barletta is not only the smallest but also the earliest onion grown; just right in size for pickling. Color beautifully waxen white Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Giant Rocca**—A very large, round, brownish yellow onion, of mild flavor. Can be grown to immense size if sown early. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

We are very careful of our Onion stocks, knowing how important it is to have them right. We have the very best and most careful growers and we are certain there is no better stocks offered by any one, regardless of fancy prices and high sounding names. Give our Onion seed a trial..

#### MAMMOTH COPPER KING.

This variety is the largest red onion grown. It is fine and mild in taste. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c.



LARGE RED WETHERSFIELD.

#### MAMMOTH PRIZE TAKER.

This beautiful sort is of a clean, bright straw color, grows to a uniform shape, which is perfectly round; has a small neck; ripens hard and fine, with very few, if any, stiff necks. It attracts marked attention on account of its remarkable size, and brings a high price. It is very productive, has been known to produce as high as 700 bushels per acre. It is a very good keeper for one so large. The seed we offer is American grown, hence superior. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.60.

#### MAMMOTH SILVER KING.

Has silvery skin, and flesh of a most agreeable, mild flavor. It matures quite early; a good variety to sow for the purpose of bunching, as they are ready for market almost as soon as a crop grown by the use of onion sets. A large flat, white variety, frequently measuring 20 inches in circumference, and often weighing three or more pounds Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

#### ONION SETS.

The earliest onions to be pulled green are produced from sets, and we advise their use for the amateur or kitchen gardener, as they are of least trouble.

**Red Top or Button Sets**—Pt., 15c, qt., 30c.

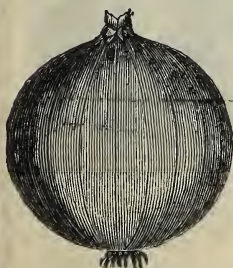
**White Bottom Sets**—Pt., 15c; qt., 30c.

**Yellow Bottom Sets**—Pt., 15c; qt., 30c.

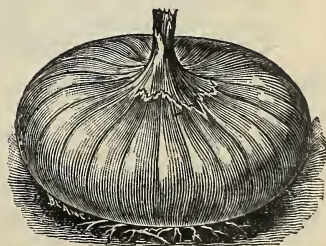
**Red Bottom Sets**—Pt., 15c; qt., 30c.

**Winter, or Egyptian Sets**—Pt. 10c qt., 20c.

Write for prices on onion sets by the bushel.



PRIZE TAKER.



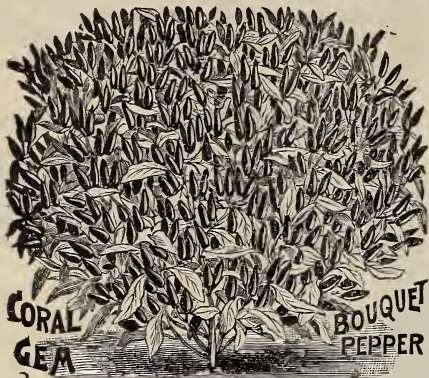
MAMMOTH SILVER KING.



## PEPPERS.

One ounce of seed to 1,500 plants.

Mix a tablespoonful of manure from the chicken coop into the soil around a pepper plant; then watch it "get up and hump itself" growing.



**Coral Gem Bouquet**—A very fine, small variety. Is used in making pepper sauce, as the very small bright red pods of this variety are extremely hot. The plant itself, when filled with the numerous bright little pods, is like a bouquet of flowers; hence its name. A plant grown in a flower pot or box is quite ornamental. Some gardeners grow this variety for market to sell by the bush; in this way avoiding the necessity of picking the pods. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 30c.

**Cayenne**—(Chili)—Small and very hot. The Cayenne Pepper of commerce. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

**Long Red Cayenne**—Beautiful and productive, four inches long and a half inch or more in diameter; flesh thick and hot. Pkt., 5c; oz., 25c.



**Large Bell or Bull Nose**—An early variety of mild flavor, the rind thick and fleshy. A standard sort. We sell more of this than any other variety for making Mangoes. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Large Sweet Mountain**—Very large, and excellent for Mangoes. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Mammoth Golden Queen**—An improved variety of a very large yellow sort, of fine shape mild and unexcelled for Mangoes. Pkt., 5c; oz., 25c.



### KALEIDOSCOPE PEPPER.

**Kaleidoscope**—A novel and beautiful pepper; are of a light yellowish cream color. When fully grown they commence to change color, first to a lovely canary yellow, then to a deep orange, then to a rose, or pink, and so on through different shades until they are an intense scarlet; a plant bearing hundreds of peppers showing six or eight distinct colors, is an object of great beauty. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c.



**Mammoth Ruby King Mango**—The largest of all varieties. When ripe they are beautiful bright ruby red color, and are always remarkably pleasant and mild. The plant is of a sturdy bushy habit, if planted on soil a little poor, and this kind of soil is best for this sort. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

## PARSLEY.



One ounce to 150 feet of drill.

**Double Curled**—A fine dwarf variety. Pkt. 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., \$50c.

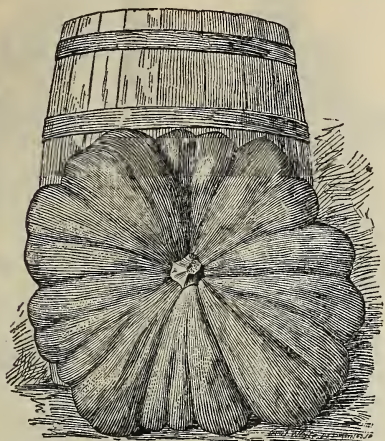
**Champion Moss Curled**—Very beautifully crimped and curled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Fern Leaved**—A very beautiful variety; very desirable for table decoration. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



## PUMPKIN.

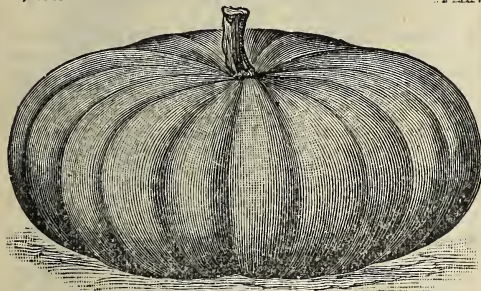
Pumpkins are generally raised in a field of corn or potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way.



### Thanksgiving Pumpkin.

The average size is about the same as that of the Cheese Pumpkin, but the flesh is fully twice as thick. On account of this extra thickness the yield in pounds is double that of other kinds. The flesh is orange in color, fine grained sweet, and has the delicious pumpkin flavor essential to the making of a first class pumpkin pie. The name, "Thanksgiving," was suggested by the almost universal custom of having pumpkin pie at Thanksgiving dinner. As we introduced this variety, you are sure to get true stock from us. Pkt., 5c; oz., 15c; 4 ozs., 50c.

**Large Common Yellow Field**—Grown principally for feeding stock. Oz., 5c; ¼ lb., 10c; lb., 30c; not postpaid, 5 lbs., 90c; 10 lbs., \$1.50.



**Large Sweet Cheese**—Excellent for pies. Productive, flesh yellow and sweet, keeps well into the winter. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c; not prepaid, 5 lbs., \$1.25.

**Sweet or Sugar**—Fruit quite small and round. A very prolific variety and superior for pies and table use. The skin is a deep orange yellow, an excellent keeper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Genuine Mammoth or True Potiron**—This is the big pumpkin on which there is often offered prizes for the largest one grown. It has been grown to weigh 200 pounds and upwards. It is a curiosity, and also of practical value in feeding to stock. The weight of pumpkins produced on an acre is something enormous. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## Parsnips .

If you want parsnips to grow short don't plow too deep.

One ounce to 100 feet of drill; 5 or 6 pounds for an acre.

### New Zimpfer Parsnip

The original seed of this variety, now commonly cultivated, was brought from the Fatherland. It is a splendid variety for market, bunches being of much more desirable shape than any of the Hollow Crown or Cup varieties. Pkt., 10c; oz., 15c.

### Large Sugar or Hollow Crown—Roots

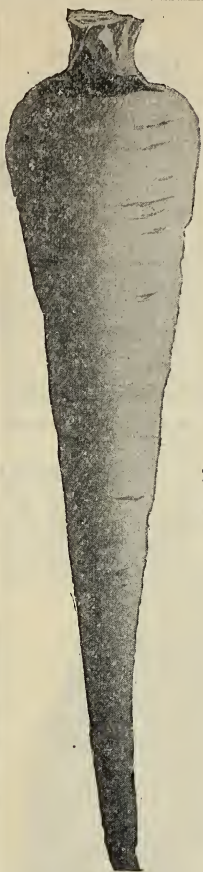
long, white, smooth, sugary, excellent flavor. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb. 40c; not prepaid, 5 lb. \$1.25; 10 lbs., \$2.00.

**Guernsey**—Thought to be an improvement by some, as they grow shorter than Hollow Crown. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb. 40c; not prepaid, five, lb., \$1.25 10 lbs., \$2.00.

## TESTIMONIAL.

MR. THOS. L. ALEXANDER,  
of Indiana writes

July 17, 1900. "Enclosed find forty cents for Onion and Turnip seeds. All of the seed I got from you in the spring grew good. Send me the catalogue for 1901, as soon as you get them out."



## PEANUTS.

**The Peanut Plant; its Cultivation and Uses**—By B. W. Jones. A practical book instructing the beginner how to raise good crops of peanuts. Paper. Price 50c.

**Extra Early Spanish**—Earliest variety grown. Small but thin pods filled solid, of fine quality, especially adapted for growing at the north. Large pkg., 10c; ½ lb., 20c; lb., 35c.

**Mammoth Virginia**—Has largest pods and kernels of any variety. Yield very few imperfect pods. Large pkg., 10c; ½ lb., 20c; lb., 35c.



## LIVINGSTON'S GARDEN PEAS.

We have these grown as far north as possible, so they will come into bearing sooner, and are free from bugs. They are grown by men who make a business of it. Notice time of maturity so you can plant so as to have a succession in the different crops of peas.

Quart and pint prices on Peas include postage; if to go by express at buyers' expense, deduct 15c per quart or 8c per pint, from prices below. Half pints will be sent at pint rates.

One quart sows eighty feet of drill, 2 to 3 bushels to the acre.

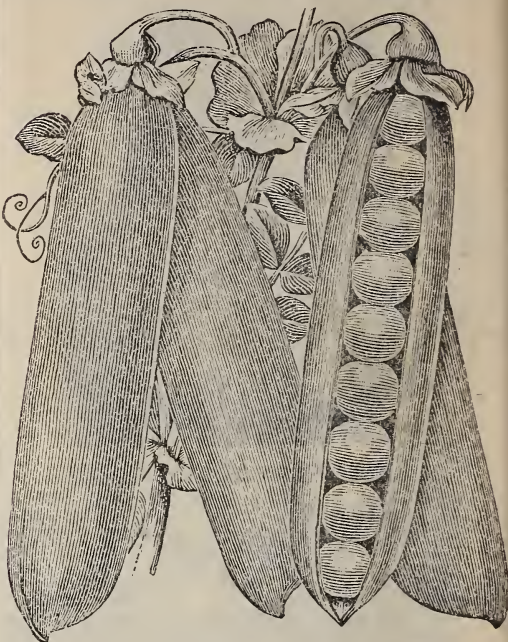
**Extra Early Alaska**—This variety is several days earlier than most early sorts, of good size and productive. The vines grow about 1½ to 2 feet high. It is the one for the market gardeners to grow for the first few days before the larger sorts begin to come in. Ready for market in 50 days. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.10; bu., \$4.00.



LIVINGSTON'S FIRST IN MARKET.

**Livingston's First in Market**—A variety coming only a few days later than Extra early Alaska, but having a larger pod. Is used in large quantity by market gardeners for an early market sort, as it is more hardy than the wrinkled kinds, although not quite so sweet, yet it can be planted in colder ground and not rot, when a wrinkled pea might. For those who grow for table use alone it would be best to take some wrinkled variety. The First in Market grows to 18 inches or 2 feet in height, stands up well, has pods of good size. The entire crop can be picked almost at once and the ground immediately planted to a second crop. Ready to pick in 52 days. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

**American Wonder**—This wrinkled variety planted in June has matured in 33 days. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good sized and well filled pods of the finest flavored peas. Ready to pick in 50 days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.35; bu., \$5.00.



**Nott's Excelsior**—A grand new extra early Dwarf pea. A few days later than American Wonder, but pods are one-third larger; six to eight large, luscious peas in a pod. They are of the green wrinkled kind, very fine flavored and tender, deserves liberal planting. Ready for market in 55 days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.75.

**McLean's Little Gem**—A dwarf green wrinkled variety, twelve to fourteen inches high; no sticks required; very prolific; of superior flavor. Ready for picking in sixty days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

**Premium Gem**—A very fine dwarf pea of Little Gem type, on which it is an improvement, has larger pods and more productive. A profitable early wrinkled pea for market gardeners. Ready for picking in sixty days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

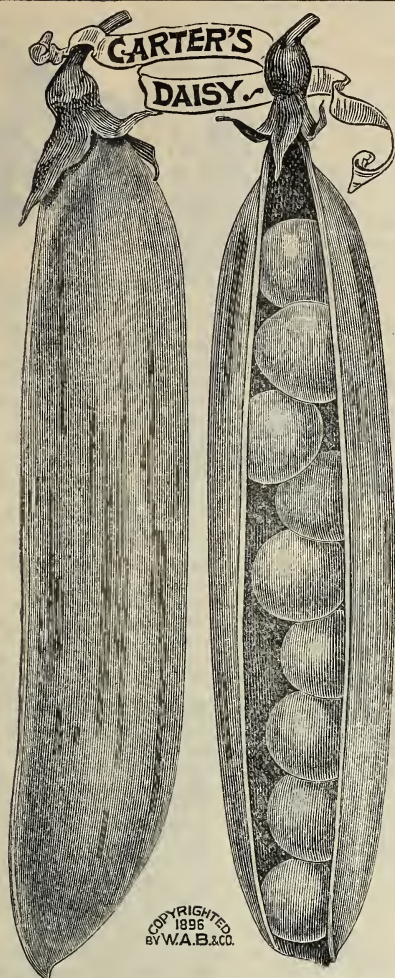
**Surprise Peas**—One of the earliest wrinkled sorts. While it is a wrinkled sort, it will be found when grown side by side with the hard extra early sorts, to be as early as any and earlier than some of them. The vines grow 20 to 24 inches in height and are loaded with well filled pods. It is especially desirable because of its delicious sweetness. Price, pkt., 10c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.75.

**Gradus Peas**—It is very hardy, so much so, that unlike most of its type, it can be planted extremely early. The vine grows about 2½ feet high, is vigorous and very productive. The pods are large and well filled with good sized peas, 7 to 9 usually in a pod. The Gradus is the most delicious in quality. Pkt., 10c; pt., 35c; qt., 60c; ½ pk., \$1.50; pk., \$2.75.

**First and Best**—Pkt., 5c; pt., 15c; qt., 30c; pk., 90c.

**Tom Thumb**—Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.





**Carter's Daisy**—Is a second early of robust but remarkably even growth. The vines are from sixteen to eighteen inches high, needing no brush. The self-supporting, stout plants are fairly loaded with large bright green pods, which are always well filled. Each pod contains seven to nine large peas of a light bright green color, tender and well-flavored. The illustration herewith was engraved natural size from a photograph. The even growth and handsome appearance of the Daisy excites the admiration of all. Pkt., 10c; pt., 25c; qt., 50c; ½ pk., \$1.10; pk., \$2.00; bu., \$7.50.

**McLean's Advancer**—A green wrinkled variety, 2½ feet high, with long pods, well filled to the end. Excellent flavor. Ready to pick in sixty days. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00.

**Heroine Pea**—A medium early green, wrinkled 3½ feet; foliage luxuriant, productive; pods, unusually large size, elegant shape, slightly curved, well filled with peas of large size, good quality. Ready for picking in seventy days. Pkt., 10c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

**Carter's Telephone**—Green, wrinkled; height 3½ feet; foliage luxuriant; productive, good quality. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

**Everbearing**—Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

**Improved Stratagem**—A green wrinkled pea, height two feet; vigorous, branching, an enormous cropper. Pods long, well filled, with seven to nine peas of enormous size. They are ready for picking in eighty days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.75.

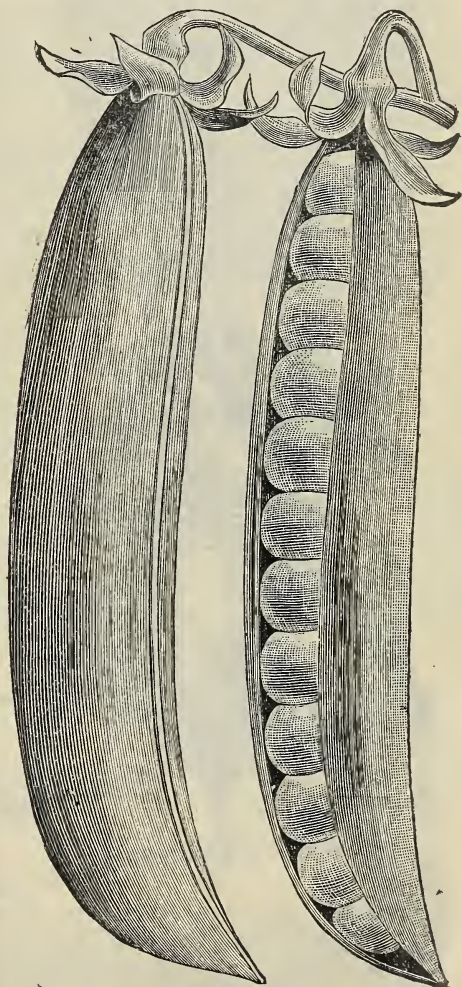
**Abundance**—Plants half dwarf, fifteen to eighteen inches high; pods large size, containing six to eight wrinkled peas of excellent quality. Sow the seed much thinner than usual, as it has a remarkable tendency to branch. Ready to pick in seventy-five days. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

**Champion of England**—Universally admitted one of the best peas grown; delicious flavor, profuse bearer, four feet high. Ready to pick in 80 days. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

**Melting Sugar**—Ahead of all the edible sorts in high quality. Pods large, tender and stringless. You use them same as string beans. Very productive. Ready for picking in eighty days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

**Marrowfat Black Eye**—Hand picked stock. Pkt., 5c; pt., 15c; qt., 30c; pk., 60c; bu., \$2.25.

**Marrowfat Large White**—Pkt., 5c; pt., 15c; qt., 30c; pk., 60c; bu., \$2.25.



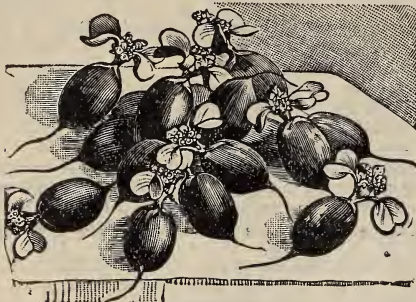
HEROINE.



## Radishes.

Sow every two weeks from March to September for a succession; they must grow rapidly to be crisp, mild and tender.

One ounce sows one hundred feet of drill.



### NEW LEAFLESS RADISH.

Extra early; remarkable for the small size of its leaves; the roots grow so quickly they are practically in advance of the leaves, and for that reason it is called Leafless. Its peculiar crumpled leaves "are few and far between." A beautiful bright color, and the crisp, tender flesh is excellent. Pkt., 5c; ½ oz., 10c; oz., 20c.

**Early Scarlet Turnip**—In great demand for home consumption. Small, round, deep scarlet, with a short top, delicate in flavor; good for early summer use. Pkt., 5c; oz., 7c; ¼ lb., 15c.

**French Breakfast**—A variety of quick growth, very mild and tender, and one of the best for forcing. Oval form, scarlet tipped with white. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



**Early Scarlet Globe**—Is very early, handsome in color, flavor, mild, crisp, juicy and tender. It is a market gardener's favorite as a round forcing radish. It forms a small top, and will stand a great amount of heat without becoming pithy. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

### White Tipped Scarlet

**Turnip**—This is an early

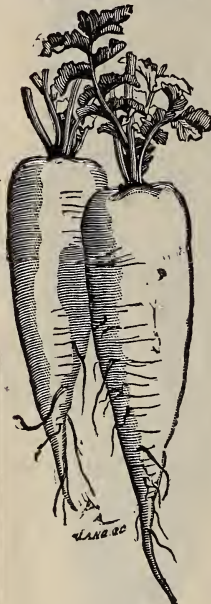
variety of medium size, of an excellent flavor and handsome appearance. A beautiful scarlet on top, shading to pure white at the bottom; used in quantity for forcing in greenhouse and hot beds, and a splendid sort to grow in small home garden. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c. Not prepaid 5 lbs., \$2.



### WHITE TIPPED SCARLET TURNIP.

**Long Scarlet Short Top**—The leading out-

door, quick growing long variety, both for private and market gardeners the country over. Average length about eight inches; grows half out of the ground; straight and uniform in color, which is bright scarlet; brittle and crisp; small top. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

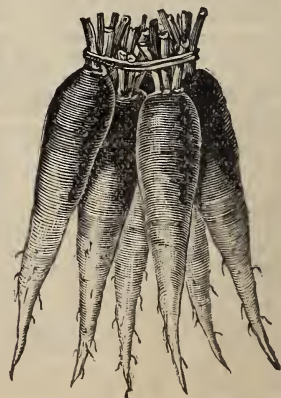


### WHITE STRASBURG

**White Turnip**—Of turnip shape, and is of a pure white color and large size. A fine, early summer sort; it won't get soft for a long time. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**White Strasburg**—The roots are handsome, oblong, tapering shape; both skin and flesh are pure white. The flesh is firm, brittle and tender and possesses the most desirable character of retaining its crispness even when roots are old and large. Excellent for summer use, as it withstands severe heat and grows quick. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c. Not prepaid 5 lbs., \$2.00.

**Wood's Early Frame**—About ten days earlier than the Long Scarlet, which it very much resembles, although not quite so long. A good long variety for forcing in greenhouse or hot bed. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



WOOD'S EARLY FRAME.





**Lady Finger—(Long White Vienna).** The Long White Vienna is one of the finest long white, early summer varieties grown, is pure pearl white, almost transparent. Stands longest of any and is crisp and sweet. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c. Not prepaid 5 lbs., \$1.75; 10 lbs., \$3.

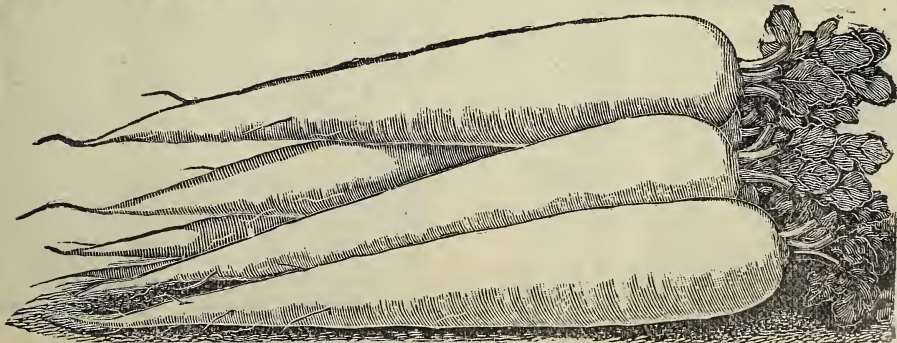
**Long Brightest Scarlet White Tipped—A** bright scarlet color at the top and changing to pure white at the bottom, this variety attracts attention. Very early, ready for market in 25 days. If you have not grown this variety its peculiar bright color will be a surprise. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

#### LIVINGSTON'S PEARL.

This new sort is a cross between Wood's Early Frame and the White Strasburg, of a rich, waxy appearance. The shape is what might be called half stump rooted. (See cut.) The color is pearl white, and texture is very firm. About one week later than Wood's Early Frame, but after they are ready for marketing they remain in eatable condition fully two weeks longer before they show signs of going to seed. Do not bear quite so close planting as Wood's Early Frame. If grown very thin they make a desirable variety to grow in greenhouse. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.



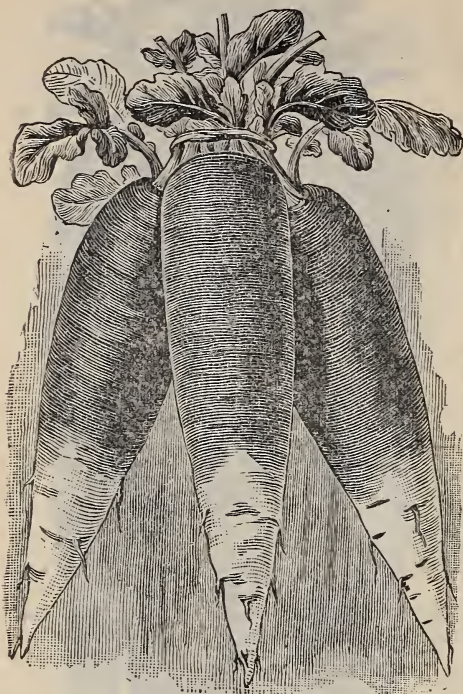
We would especially advise its use as a first early crop sown in the open ground. Tops are small, allowing of very close planting. It is very handsome; grows smooth and straight to six or seven inches long; very attractive; glossy, scarlet, thin skin. Flesh crisp to a surprising degree, and as it stands a long time before getting soft, it is especially desirable for the garden. A trial is convincing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.



LIVINGSTON'S PEARL RADISH.



## RADISH — Continued.



CHARTIER RADISH.

**Chartier (Shepherd's)**—A decidedly distinct, exceedingly handsome and attractive variety. The color at the top is crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table. It is undoubtedly one of the very best "all season" radishes for open culture. If sown after the ground gets warm in spring it is ready for use or market as early as the Long Scarlet, and keeps crisp and tender for a long time. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c. Not prepaid, 5 lbs., \$2.00.

**Giant White Stuttgart**—Very large, often four inches in diameter; skin white and crisp. Those not used as a summer radish can be stored for winter use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

## RHUBARB.



A deep rich soil is best for rhubarb. Sow early in drills, 18 inches apart and 1 inch deep the spring following transplanting, allowing each plant at least 2 feet square; each fall mulch with manure. The roots are preferable for those who want immediate results, and only need a small bed.

**Victoria**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

**Linneaus**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

**Roots (small)**—By mail, postpaid, each 15c; 4 for 50c. By express (Large), not paid, each 8c; doz., 75c; 100, \$4.00.



SCARLET BALL (PAMIR.)

**Scarlet Ball (Pamir)**—This variety is a very welcome one among Winter Radishes. It is also a good late summer and autumn variety. Its handsome globular shape, enhanced by its beautiful deep scarlet color, gives it a very ornamental appearance. The flesh is white, firm and of very agreeable flavor. The roots can be easily kept for a long time during winter without starting into growth or becoming hollow at the center. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c.

**Chinese White (Celestial)**—A fine winter radish of large size, having white skin and flesh, a good keeper, mild in flavor, brittle, never woody. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Chinese Rose Winter (Scarlet China)**—A brilliant rose colored winter variety of excellent quality, very attractive and one of the best. Is sometimes grown for summer market, and sold by measure. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Long Spanish Winter**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Round Black Spanish Winter**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**California Mammoth White Winter**—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

## Squash.

Use Slug Shot for Bugs; 5 lb package (not prepaid) 35c; 10 lbs., 60c.

One ounce of the bush variety for forty hills, or of large seeded running kind, fifteen hills; two to three pounds of one, and three to four pounds of the other, for an acre.

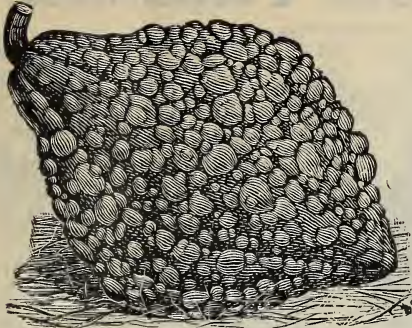
**Giant Summer Crookneck**—This magnificent strain grows to a very large size, and yet is earlier than the common variety. A profitable sort, because it grows to large, marketable size very quickly. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c.

**Livingston's Cushaw** — (Crookneck)—The old-fashioned Cushaw squash of our forefathers, only improved in productiveness and quality; flesh yellow; almost all flesh, seed cell very small. Splendid for pies. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Early Golden Scallop Bush**—Pattypan in shape, in color yellow. A summer variety. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c.



## Squash—Continued.



WARTED HUBBARD SQUASH.

An improved strain of the good old Hubbard Squash, having more prominent knots or warts on it, and of larger average size. It is as hard as flint, thereby indicating its superior quality and dryness; also that it is sure to carry and ship well. It sells at sight, is a dark green, almost black. Flesh very thick, highly colored and of fine texture and flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

**Hubbard**—Generally considered the best winter squash grown; the flesh is dark yellow, fine grained, dry and sweet, very hard, warty shell; will keep till spring; very productive; color dark green when ripe. We offer a very carefully grown stock. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c. Not prepaid, 5 lbs., \$2.00; 10 lbs., \$3.50.

**Mammoth White Scallop Bush**—Early, of large size, and it is a continuous bearer. A pearly white, making it very salable. A splendid variety for the southern shipper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 45c.

**Boston Marrow**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

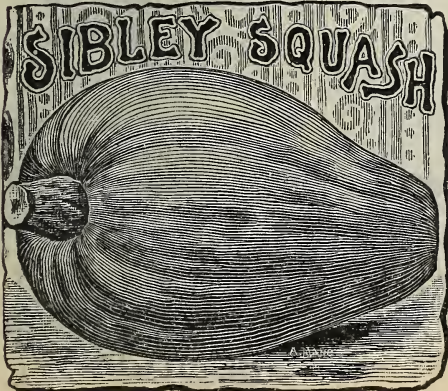
**American Turban**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Marblehead**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Essex Hybrid**—Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Sibley, or Pike's Peak**—This sort is growing rapidly in favor. The flesh is solid, thick, orange in color, dry, fine grained and of delicious flavor. Very prolific, ripens fruit evenly, keeps till spring. The shell is pale green in color, very flinty, making a good shipper. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Yellow Sibley**—Identical With the old Sibley or Pike's Peak Squash except in color, which in this one is of yellow shade, slightly striped with light green at one end. Pkt., 5c;



## Spinach.



One ounce for 100 feet of drill. Ten to twelve pounds for an acre in drills.

**Savoy Leaved ("Norfolk," "Bloomsdale")**—The earliest variety. Plans of upright growth, with fine leaves, which have the appearance of the Savoy Cabbage. It comes quickly to a suitable size for use. Recommended for fall sowing. Oz., 5c; ¼ lb., 10c; lb., 35c.

**Long Standing**—An improved strain of excellent merit, having all the good qualities of the ordinary sorts; especially desirable for market gardeners, because it is much later in going to seed than others. Oz., 5c; ¼ lb., 10c; lb., 35c.

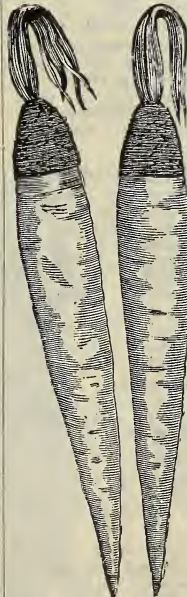
**Round Leaved**—The favorite for winter use. Very hardy. It stands our severest winters with but little injury. Oz., 5c; ¼ lb., 10c; lb., 35c.

**Viroflay, or Thick Leaved**—Very large, thick leaves, and quite superior to the ordinary round leaf. Oz., 5c; ¼ lb., 10c; lb., 35c.

**Prickly Seeded Winter**—Very hardy. Stands well in winter, therefore the best for northern latitudes where the winters are very severe. Oz., 5c; ¼ lb., 10c; lb., 25c.

Five pounds of any kind of Spinach or assorted, not prepaid, for \$1.00.

## SALSIFY.



The long, white, tapering root of Salsify resembles a small parsnip, and when properly cooked is a good substitute for oysters in taste, and flavor, is very wholesome and nutritious. The roots are boiled or mashed and made into fritters. It succeeds best in a light, well enriched soil. Sow early in drills, eighteen inches apart, and two inches deep; finally thin to four or five inches apart. The roots are perfectly hardy, and may remain out all winter, but should be dug early in the spring. Store a quantity for winter use. They are best after frost has touched them.

**Long White**—Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**Mammoth Sandwich Island**—A very large and superior variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**Golden Salsify**—This variety has a quality which, for DELICIOUS FLAVOR, has been unapproached by either of the old varieties. Its habit of growth is unlike other varieties; the leaves are dark green in color, flaccid crimped and curled; roots have a slightly yellowish tinge. Pkt., 10c; ½ oz., 15c; oz., 25c.



# Livingston's Famous Tomatoes.



LIVINGSTON'S NEW MAGNUS.

**Atlantic Prize**—One of the earliest of all; not only ripens its first fruits, but a large proportion of the crop earlier than any other sort. Fruit small and sometimes rough. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**Livingston's Early Acme**—The earliest good tomato grown. Fruit of medium size, round, very smooth; color a glossy dark red; ripens all over and through at the same time; a delicate flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**Dwarf Champion**—It stands up well, even when loaded with fruit, in consequence of having stiff, bushy stems. The foliage of a dark green color, leaves thick. The crop ripens up early and evenly; smooth, medium in size, flesh color; best for forcing in greenhouse and first crop in field. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Livingston's Beauty**—The great table and market sort. The color a very glossy crimson, with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size till late in the season. It ripens very early; entirely free from rough specimens. It seldom cracks; for early market it cannot be excelled on account of its solidity, toughness of skin, and on account of its color, as when picked quite green it will ripen nicely and look well. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Livingston's Potato Leaf**—Fruit smooth and uniform in size; flesh-colored skin. Comes into bearing quite early, and the heavy potato-leaf foliage protects the fruit from early frosts in the fall. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**Livingston's Paragon**—Has become a decided favorite with market gardeners and canners. It is a large sized variety. The meat is solid and well flavored; late; color deep red. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**Livingston's Favorite**—Does not easily crack; in color it is a rich dark red, ripens up very evenly, and holds its size well to the end of the season. Very prolific, good flavor, few seeds, flesh solid, bears shipping long distance. A leading variety with canners, having such a beautiful crimson-scarlet flesh so much desired by those who pack first-class goods. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

So popular have these become that not an American seed catalogue is complete without them. They "cover the whole ground" from early to late sorts, and every one is perfect. Introductions by others are simply a matter of renaming some of ours. The sales of varieties of our introduction now aggregate several tons annually. We carry seed grown from our original stock only; buying from us you take no risk. (One ounce will produce about 2,000 plants.)

**Livingston's Magnus**—This very distinct and most promising new variety, of the color of Beauty and Acme, is the latest addition by Livingston to the tomato family. It is thick, heavy and solid, the most handsome sort in cultivation. It is unsurpassed in quality, and in the production of fine, large fruits, perfectly adapted to main crop planting and yet good for early market. The form is perfect, uniform, large and attractive. It is a robust grower, with short joints, setting its fruit clusters closer together than most varieties, and is therefore a heavy cropper. The fruits are very deep from stem to blossom end, many of them being almost globe shaped. It ripens evenly, does not crack about the stem and the flavor is most desirable. It has been tested for several years for staking up in the open field, as well as for forcing in greenhouses, and we believe it to be unexcelled for such purposes. We offer it in the expectation that it will add to our reputation as introducers of New Tomatoes. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**Livingston's Perfection**—Large, early; has solid flesh and few seeds; produces large fruit at the close of the season; perfectly smooth; blood red in color. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**Ground Cherry, Husk Tomato**—This husk enveloped tomato is unequalled for preserving and pies. Dried in sugar, as raisins or figs, for fruit cake, they are unexcelled. It has a strawberry flavor. Very productive. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

**Purple Husk**—Much larger than the yellow. Pkt., 5c.





# Livingston's Famous Tomatoes.

## Livingston's Honor-Bright—A peculiar

bright red variety when fully ripe, but it undergoes several changes of shade during the stages of ripening. First it is light green, then an attractive waxy white, changing to rich bright red. One of the most attractive and handsome varieties grown; well adapted for home or market use. It is a splendid shipping tomato, because it is solid and keeps so long. It can be shipped in quite large crates or barrels if picked in the early stages of ripening, and they keep from one to four weeks stored in a cool place. The vines are vigorous, bearing from early to late, and having a greenish yellow foliage. The fruit is borne in clusters of three to five fruits each. Skin very tough—crack proof. Flesh tender and melting. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



HONOR BRIGHT TOMATO.

## Livingston's New Hawkeye.

Comes quite early for one so large; bears till fall. Perfectly smooth. Ripens all over and through the center the same day. No waste. Handsome. Glossy purplish red. Sells on sight. Has solid meat and seed cells; few seeds. You get five or more cans from a bushel than from the old style sorts. It's just what you have been looking for—a great big, perfectly smooth Tomato; a can filler, a good seller.—Try it. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

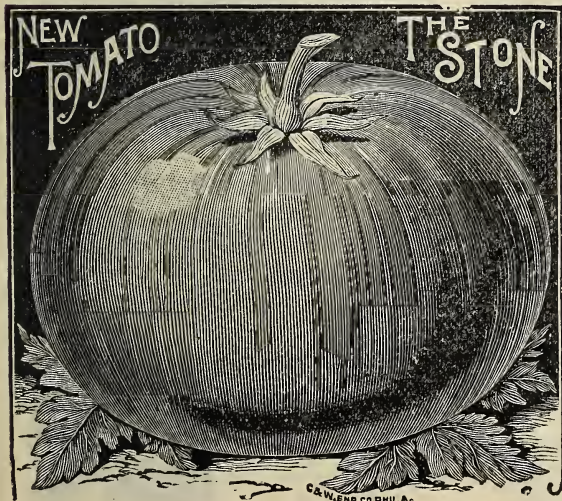
**Livingston's Yellow Prince**—A new upright Tree" or "Dwarf" variety of an attractive lemon-yellowish color. Grows a rank, sturdy, bush, full of fruits of excellent quality, certainly none better for slicing or eating raw. Pkt., 5c; ½ oz., 15c; oz., 25c.

**Livingston's Royal Red**—A first class variety for the shipper, market and private gardener; of special merit to the canning and catsup factories, being of a bright red. It is solid and smooth, of uniform size. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Livingston's Gold Ball**—A beautiful, round, yellow variety. Flesh thick, of extra good quality; smooth as an apple, grows in clusters; produces enormous crops. Fine for preserves. Pkt., 5c; ½ oz., 15c; oz., 25c.

**Livingston's Golden Queen**—A yellow sort of first-class quality, solid, very smooth, large in size, ripens up early; is very handsome. None better for slicing; the handsome golden slices make a beautiful contrast in a dish with red ones. Pkt., 5c; ½ oz., 15c; oz., 25c.

**Livingston's Stone**—For main crop; largest variety, of a bright, scarlet color. Very smooth, ripening evenly to the stem; exceedingly solid and firm fleshed; excellent shipper; quality very best; fine for canning; a good keeper; without hard core. Attractive; very productive. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



Yellow Pear Shape, Yellow Egg, Yellow Plum, Red Currant, Red Cherry. Each, pkt., 5c; ½ oz., 15c; oz., 25c.



# TURNIP.

One pound is sufficient to sow an acre.



EXTRA EARLY WHITE MILAN.

**Extra Early White Milan**—In this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. It is fit for use at least a week earlier than any other pure white variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Extra Early Purple Top Milan**—Pearl white with bright purple top; is round and smooth, with small roots and but few leaves; is mild, sweet, and remains in good condition a long time. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.

**White Egg**—A quick growing, egg shaped, perfectly smooth, pure white variety, growing half out the ground, with small top; particularly adapted for market purposes in summer. The flesh is very sweet, firm and mild. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Extra Early Purple Top Munich**—Very early with a bright, purplish red top and fine root; good only for early use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Early Flat Dutch, or White Top Strap-leaved**—Of good size; pure white, small top with but few leaves. Is very sweet. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Large White Globe**—Is one of the most productive kinds; in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape, skin white and smooth. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Scarlet Kashmir** ("Cardinal")—The beautiful pinkish color of this new turnip makes it very striking. It produces large, smooth white-fleshed roots of excellent keeping qualities. Among the earliest. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.



PURPLE TOP STRAP-LEAVED.

**Purple Top Strap leaved.** The well known popular variety, either for family or market use; large size, white, purple above the ground; flesh fine trained, and has a rich, buttery flavor. As a main crop for market we consider this variety far superior to all others. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c. Not prepaid, 5 lbs., \$1.75; 10 lbs., \$3.00.

**Large Amber Globe**—One of the best varieties either for table use or for field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; hardy, keeps well, and grows to a very large size. Very popular in the south. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Orange Jelly or Robertson's Golden Ball**—Undoubtedly among the most delicate and sweetest yellow fleshed turnips introduced. Not of large size, but firm, hard and of most excellent flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Purple Top White Globe**—One of the best, of large size, has globe shaped bulbs, with red or purple top, fine quality. Very handsome and attractive for market. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c. Not prepaid, 5 lbs., \$1.75.

**Sweet German**—Flesh white, hard, firm and sweet, and it keeps nearly as well as Ruta Baga. Recommended for winter and spring use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

## Ruta Baga—Swedish Turnip.

The Ruta Baga, Swedish or Russian Turnip, is extensively grown as a farm crop; the roots are close grained, very hard, and will endure a considerable degree of cold without injury; excellent for the table in early spring.



AMERICAN YELLOW PURPLE TOP.

**American Yellow Purple Top**—Very hardy and productive; flesh yellow, solid, sweet and fine flavored; the best variety for stock or table use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

## Tobacco.

**Book on Tobacco Culture**—25c.

Sow the seed after all danger of frost is past, same as for late cabbage. Best way is to burn a brush heap, then dig up and thoroughly pulverize the soil. Sow seed, covering very lightly, and when plants are about six inches high transplant two rows about four feet apart each way.

**Connecticut Seed Leaf**—Finest variety for wrappers. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

**Havana**—Genuine article. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c.



TOBACCO.

# FLOWER SEEDS

and satisfactory varieties, those that will yield the largest returns for the least expense and trouble. By all means have at least one well attended flower bed the coming year. If either one of the following collections does not meet your approval make up your own collection at the following discount:

Send 25 cents and select **Packets** to the value of 30 cents.

Send 50 cents and select **Packets** to the value of 65 cents.

Send \$1.00 and select **Packets** to the value of \$1.30.

These rates do not apply to flower seed offered by weight.

## 25c Collection.

Twelve full sized packets fresh flower Seeds, only 25c.—Sweet Alyssum, Aster Balsam, Candytuft, Mignonette, Nasturtium, Phlox, Pansy, Portulacca (Rose Mose), Poppies, Sweet Peas and Zinnia.

## 50c Collection.

Twenty-five full sized packets of fresh flower seeds, only 50c.—Sweet Alyssum, Aster, Bachelor Button, Columbine, Calliopsis, Balsam, Candytuft, Four O'clock, Mignonette, Larkspur, Maurandia, Mourning Bride, Morning Glory, Marigold, Nasturtium, Phlox, Pansy, Portulacca (Rose Moss), Poppy, Pink, Petunia, Salpiglossis, Sweet Peas, Verbena and Zinnia.

## ASTERS.

(FALL ROSES.)

Very beautiful and popular plants, growing from 10 to 13 inches high. For profusion of flowers and richness of display the Asters are unrivalled, and constitute the principal adornment of our gardens during the autumn. Sow the seed early in spring, under glass or in pots in the house, and transplant into rich soil, about one foot apart. Half hardy annual.

We are very careful to keep our stock of Aster seed up to the highest standard.

### Victoria Prize.

Undoubtedly the handsomest Aster in cultivation. Very large, flowers perfectly double and of globular shape, and with petals turning out from the center. Plants are of pyramidal form, 1 to 1½ feet high. Pure White, Apple Blossom, Crimson, Light Blue, Dark Blue and Finest Mixed; each, pkt., 10c; three for 25c.

**Comet (Poodle)**—A handsome new and very distinct class of Asters, resembling the Japanese Chrysanthemum in form of flowers. The petals are long and beautifully curved, of a delicate shade of pink, bordered with white, pink and other colors. Mixed, pkt., 10c.

### Mignon.

**DECIDEDLY ONE OF THE FINEST ASTERS FOR CUT FLOWERS**—Resembles the Victoria in form; blooms very freely; very attractive in the garden, and lasts a long time after cutting. White, pkt., 10c; mixed, pkt., 10c.

**Large Flowered Rose**—Magnificent flowers in shape and size, of brilliant colors. Making a beautiful display during August and September. Can be relied upon to produce the finest flowers for exhibition purposes; eighteen inches high. Mixed colors, pkt., 5c.



PAEONY FLOWERED PERFECTION.

**Paeony—Flowered Perfection**—Large and remarkably fine flower, with long incurved petals, resembling those of the Paeony, one of the finest Asters. Pure white, pkt., 10c. Mixed colors, pkt., 5c.

**Queen of the Market**—These bloom about two or three weeks sooner than any other sort. Mixed, pkt., 5c.

**Dwarf Bouquet**—Single plant forms complete bouquet, pyramidal shape; covers itself with blossoms, often numbering fifteen to twenty flowers and entirely hiding foliage; fine for edging and small beds. Mixed colors, pkt., 5c.

**Victoria Needle**—Flower very large, quite early, one of the finest. All colors mixed. Pkt., 10c.

**Crown White Center**—The center of each is pure white, with the outer petals of bright colors; handsome shape. Mixed colors. Pkt., 5c.

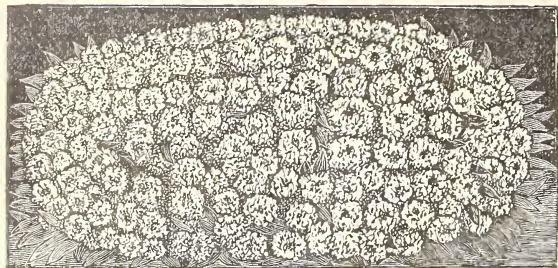
**Dwarf Chrysanthemum—Flowered**—of very compact growth; flowers from three to four inches in diameter and very abundant; later than other varieties, therefore valuable for succession; one foot high. Choice mixed, pkt., 5c.

### Mixed Aster Seed.

**Livingston's—Choice Mixed**—Including all of the above kinds. Pkt., 10c; 3 for 25c.

**Good Mixed**.....Pkt. 3c





ALYSSUM LITTLE GEM.

### Alyssum.

A desirable hardy annual, flowering from early spring till killed by the frost, and all winter in the house, if sown in August. Flowers pure white and one of a delicate fragrance. Most effective in masses and borders of beds. Useful in all kinds of small bouquets.

**Odorum Sweet**—Pkt., 3c; oz., 25c.

**Little Gem**—The plants are very dwarf, and each spreads so as to completely cover a space a foot in diameter. They soon become one mass of bloom, which is pure white, and remains from spring to fall. The little spikes of bloom are deliciously fragrant. Pkt., 5c; oz., 40c.

### Ageratum.

Desirable in the garden, and prized by florists because it bears a great many flowers, and keeps in bloom a long time. Desirable for bouquet making. It blooms constantly all summer in the garden, and if removed to the greenhouse, all winter. Grows 1½ feet high, and plants should stand 2 feet apart. Color light blue. Hardy annual.

**Mexicanum—Blue.** Pkt., ..... 3c

### BALLOON VINE.

**"Love in a Puff"**—A very rapid growing and pretty annual climber; delights in a light soil and warm situation, grows 10 to 15 feet; white flowers followed by seed vessels about the size of an English walnut, and looks like small balloons, which, with its beautifully cut leaves and foliage, makes a delightful porch screen. Pkt., 5c.

### BALSAM APPLE.

Very curious vine with ornamental foliage; its large golden yellow fruit is warted, and, when ripe, opens, showing its brilliant carmine interior; 10 feet. Pkt., 5c.

## Livingston's Balsams.

(Lady Slipper, or Touch-me-not.)

Our climate is well adapted to the growth of the Balsam, and with good rich soil and care, plants and flowers of the greatest excellence are produced. Sow in a frame or bed. Tender annual.

**Double Camelia Flowered, Improved**—As double as a rose, which they resemble; almost every shade of color. Pkt., 10c.

**Double Spotted**—Splendid mixed. Pkt., 5c.

**Common Double Mixed**—All colors. Pkt., 3c.

## Canterbury Bells.

A well known free bloomer of great beauty; effective for beds or pot culture. Flowers of many colors, large bell-shaped. Succeeds best in light, rich soil. Sow seeds early, in the open ground; cover lightly, thin or transplant to twelve inches. Hardy biennial. Single Varieties—Mixed. Pkt., 3c.

## Cacalia.

Also known as "Flora's Paint Brush." Of easy culture; scarlet and golden yellow tassell-shaped; blossoms from July to October. Sow early in the spring. Hardy annual, 1½ feet high; valuable for small bouquets. Mixed. Pkt., 5c.

## Coleus.

Highly ornamental plants, in an endless variety of colors and shading. Indispensable in edgings and carpet bedding, or as single specimens.

**Mixed**—Splendid collection. Pkt. .... 25c

## Cockscomb—Celosia.

Highly ornamental plants. The scarlet and crimson are the most brilliant and rich. To produce fine combs the soil cannot be too rich; should be 3 feet apart. Tender annual, 2 feet high. Fine mixed colors. Pkt., 5c.

## Calendula—Pot Marigold.

Free blooming and attractive plants, growing well in all situations; from one to two feet in height. Hardy annual.

**Fine Mixed**—Pkt., 3c

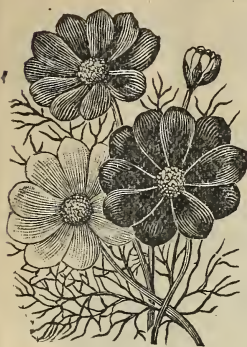
**Prince of Orange**—Florets are striped with a very intense orange; a profuse bloomer. Pkt., 3c.



BALSAMS.



## Cosmos.



COSMOS.

Plants 4 to 6 feet high, with fine feathery foliage, the flowers, of all shades of rose, purple and pure white, are abundant late in the fall—September to November. Started early in April in a box, and planted out in May, they will flower before frost, and if taken inside will flower freely, until the first of December; fragrant. For cutting this is one of the finest flowers grown.

Pearl White—Pkt., 3c.

Best Colors Mixed—Pkt., 3c.

### Mammoth Perfection.

The flowers of this magnificent strain are double the size of the old Cosmos. Blooms very early. Splendid sort for pot culture in the house. All colors mixed. Pkt., 5c.

## Cobaea.

A fine rapid growing climber, with handsome foliage, and large bell shaped flowers, green at first, but rapidly changing to a beautiful deep violet blue. Seeds should be started in hot beds, or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing place the seed edge down, and do not water unless the soil becomes very dry.

Scandens—Pkt., . . . . . 5c.

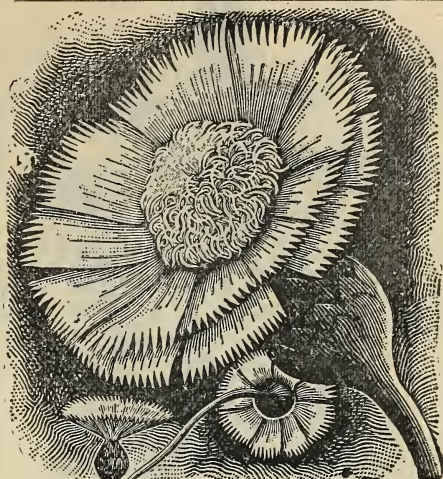
## Calliopsis—Coreopsis.

One of the most showy, free-flowering of hardy annuals; its graceful and showy flowers, embracing nearly every shade of yellow, orange and rich brown, verging to crimson, and borne on slender stems, are particularly well adapted for bouquets.

Fine Mixed, all colors—Pkt., 5c.



CARNATION PINKS.



NEW CENTAUREA MARGARET.

## Bachelor's Button.

Known also as Corn Flower, Blue Bottle, Ragged Sailor, etc. Fine for cut flowers. Hardy annual, 2 to 3 feet. Bachelor's Button, mixed, pkt., 3c.

New Margaret—A beautiful new annual. The plants grow about 15 inches high, and are of the easiest culture. Its large flowers are of the purest white, exquisitely fragrant, and are produced in great abundance. Admired by everybody everywhere. Pkt., 5c.

Gymnocarpa—White Leaved or Dusty Miller variety. Valuable for ribbon bedding; of silvery whiteness; half hardy perennial; 1½ feet. Pkt., 5c.

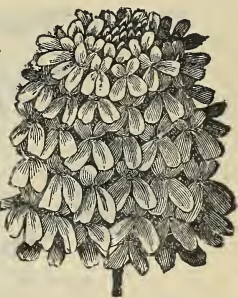
## Candytuft.

Universally known and cultivated; considered indispensable for cutting. All the varieties look best in beds or masses. Seeds sown in autumn produce flowers early in the spring; when sown in April, flower from June to September and some of the sorts till frost comes. All the varieties are hardy and easy to cultivate; hardy annual; one foot high.

White—Oz., 20c; pkt., 3c.

Mixed Colors—Oz., 15c; pkt., 3c.

Tom Thumb—Only 4 to 6 inches; blooms freely from June till frost; fine for edgings. Pkt., 5c.



## Carnation Pinks.

This lovely flower, known to everybody, succeeds in rich, light soil, and will give better results from seed than if grown from slips of old plants. The seed we offer is from the best German growers, and cannot fail to please any one.

Extra Choice Mixed—Pkt., 15c.

New Marguerite—This grand new variety has caused quite a sensation among florists and all lovers of flowers. With its introduction we can now have this exquisite flower in bloom, with all its sweetness of perfume, coloring and shapeliness in a few months from seed. Pkt., 5c.





CASTOR BEAN.

### Castor Oil Beans—Ricinus.

Stately strong growing plants, with very ornamental foliage, particularly well adapted as center plants of groups of Cannas, Caladiums, Dahlias, etc.; of very quick growth in rich soil. Plant where they are required. Tender annual, 4 to 15 feet high.

**Zanzibarensis**—A new distinct class, having short stems; and leaves of enormous size, often 2 to 4 feet across. Foliage light and dark green, and coppery-bronze shades, with reddish ribs. Pkt., 5c; ½ oz., 15c.

**Gibsoni**—Dwarf and branching and having rich foliage. Pkt., 5c.

**Common**—Oz., 5c; pkt., 3c.

**Giganteus**—Of mammoth size. Oz., 15c; pkt., 5c.

### Cypress Vines—Ipomoea.



A most beautiful climber, with delicate dark green feathery foliage, and an abundance of bright, star-shaped, rose, scarlet and white blossoms, which in the bright sunshine presents a mass of beauty. Planted by the side of veranda, tree or stakes, and trained properly, nothing is prettier. The seeds will sprout more readily if very warm water be poured on the ground after sowing.

Scarlet and White Mixed—Pkt., 3c.

### Forget-Me-Not—Myosotis.

The Forget-Me-Not is an old and favorite plant, bearing clusters of star shaped, delicate blue flowers, with white and yellow eyes. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. If the seeds be sown in autumn it will succeed best and flower earlier in spring. Hardy perennial; 6 inches long.

**Alpestris**—Blue. Pkt., 5c.

## Canna.

The Cannas are desirable, not only for the beauty of their spikes of flowers, but for their highly ornamental leaves. They make superb beds for the lawn, giving our grounds in the north a tropical appearance exceedingly pleasant. There are several varieties; the leaves of some being entirely green, while in others the leaf-stem, midrib and veins are red. In cold climates it is well to sow seed in pots under glass quite early, so as to get good plants ready to set out when safe. Take a file and cut through the outside covering of the seed so as to let the moisture inside and thereby hasten germination. The roots can be kept in the cellar over winter.

**Crozy's Large Flowered Dwarf French Dwarf** in habit. Early bloomers; very remarkable for beauty of both foliage and flowers; excellent also for growing in pots. Mixed, pkt., 5c; oz., 25c.

**Common Mixed**—Including many varieties; pkt., 5c; oz., 15c.

**Canna Roots**—See page 47.

### Double Daisy.



The Daisy is a charming little plant for edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring, and may be made to flower later by the use of water.

**Fine Mixed**—Pkt., 5c.

**Pure White**—Pkt., 10c.

### Eschscholtzia—California Poppy.

Blossoms about two inches in diameter, of many brilliant and showy colors. A bed of Eschscholtzia in the sunshine makes a blaze of color. Sow where the plants are wanted to bloom, as they do not bear transplanting. Thin to six inches apart. Half hardy perennial; one foot high. Splendid mixed. Pkt., 5c.

### FOUR O'CLOCK.

(Marvel of Peru.)

Old-fashioned, but none the less beautiful. Plant large, requires four feet of space; makes a pretty hedge. Flowers are funnel-shaped, white, red and striped; very fragrant and opens about four o'clock in the afternoon, remaining open all the night. Sow in open ground. Hardy annual.

**Mixed**—Pkt., 3c.



CALIFORNIA POPPY.



## Gourds.

### Small, Ornamental Sorts.

A great variety of curiously formed and marked fruit; the vines are of rapid growth, and with luxuriant foliage, adapted for covering screens, arbors, etc. Height, 10 to 15 feet. Mixed—Many beautiful varieties;  $\frac{1}{2}$  oz 20c; pkt., 5c.

### Hollyhock.



The seed we offer of this very handsome flower has been saved from the best named collections. The flowers are as double as the rose; of many shades of color, from deep yellow, red and purple, to pure white. Plant the seed in June or July, in open ground; and in the autumn, when the plants have made five leaves, transplant to permanent position, three feet apart. The following summer they will bloom. Hardy perennial, five feet high.

Double Pure White—Pkt., 5c.

Extra Choice Mixed—Pkt., 5c.

### Fringed Mammoth Hollyhock—"Alleghany."

This grand new Hollyhock is an entire break from the old style garden favorite. The flowers are so different, that, but for the similar habit of the plant, it would not be taken for a Hollyhock. They are from 4 to 6 inches in diameter, ranging from semi-double to double, and the mammoth flowers are wonderfully formed, and so finely fringed and curled that they look as if made from the finest china silk. The color varies from palest shell pink to ruby red. Bloom from June until frost. With its robust growth, large, leafy branches, graceful and airy style of flowers, and as a perpetual bloomer, the Allegheny Hollyhock stands unique as simply the greatest novelty among flowers for years. Price, per pkt., 10c; 3 for 25c.

### Heliotrope.

A well known and popular plant; fine for bedding, vases, baskets, and for pot culture in winter. Flowers purple, borne in trusses and exceedingly fragrant. Delights in light, rich soil. May be propagated from cuttings. Half hardy perennial.

Extra Choice Mixed—Pkt. .... 5c.

### Ice Plant.

A singular looking plant, with thick, fleshy leaves, which have the appearance of being covered with thick crystals of ice. Start early in pots and transplant into light, sandy soil, in a warm situation. Tender annual.

Ice Plant.—(Mesembrianthemum Cris-tallium).—Pkt., 5c.

## Lobelia.

Exceedingly pretty, profuse blooming plants, of great value to flower garden; their delicate, drooping habit, and the profusion of their charming, little flowers, render them extremely ornamental. Very fine for hanging baskets. Half hardy annual.

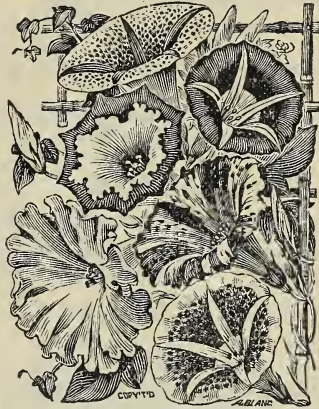
Crystal Palace—Dark blue splendid sort. Pkt., 5c.

### Morning Glory.

The old-fashioned and best known annual climber we possess.

Mixed—Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 20c.

Dwarf Morning Glory—Beautiful, showy plants, rich colored flowers. Hardy annual. Mixed. Pkt., 3c; oz., 10c.



NEW IMPERIAL JAPANESE MORNING GLORIES.

The leaves of this new strain are large, heart-shaped, many of them a rich dark color, marbled with silvery white or yellow. The flowers are really gigantic, double the size of the ordinary kind. Their varieties of color are infinite, running from snowy white through all possible shades of blue, and of red, from palest pink to darkest reds and purples. They are streaked, mottled, striped, marbled and bordered in wonderful fashion. They are of the easiest culture. But as the seed is hard or flinty, before sowing soak in luke-warm water long enough to have seed swell. Sow in May in a warm sunny position in good rich soil. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

### Moon Flower.

Beautiful climbers and exceedingly attractive when mixed with other climbers. Flowers of graceful form, very large. They are good for the green house, and especially good for verandas, trellis, stumps, arbors, etc. Start plants in the house in March. Ten feet. Tender annual.

Grandiflora—(White Seeded)—Pure white flowers of delicious fragrance and large size. Pkt., 10c.

Leari—"Blue Dawn Flower"—Has a lovely blue flower with crimson bars. Planted with the White the effect is great. Pkt., 10c.

Moon Flower—A new cross-Bred or a Hybrid—In bloom a month earlier than the preceding; flowers pure white, large and fragrant. It grows very rapidly from thirty to forty feet. Pkt., 10c.



## Mignonette.



**MIGNONETTE MACHET.**

**Sweet Mignonette**—Large flowering. Pkt., 3c; ½ oz., 10c; oz., 15c.

**Golden Queen**—A mass of golden yellow. pkt., 5c.

**Machet**—Very dwarf; vigorous growth; mass of deliciously scented red flowers. Pkt., 5c.

A well known hardy annual producing dense, semi-globular heads of exceedingly fragrant flowers, borne on spikes from three to six inches long. It is in bloom nearly the whole season, and the perfume is so strong and fragrant that the whole atmosphere around is perfumed. If it is sown at intervals during the spring and early summer it will be in bloom until killed by frost. Seeds sown in autumn will bloom early in spring. Hardy annual; perennial if protected. One foot high.

## Marigold.

A well-known magnificent plant, with handsome double flowers of rich, beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. Half hardy annual.

**Mixed Colors**—Two feet. Pkt., 3c.

**Maurandia**—One of the most popular climbers. Beautiful, rapid growing, blooming profusely until late in autumn; also fine for the conservatory or greenhouse; if desired for the house take up before approach of frost. A half-hardy perennial, flowering the first season if sown early. Mixed, 5c.

**Mimulus**—Monkey Flower—Showy, profuse flowering plants, comprising numerous varieties with white, sulphur and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse or moist, shady situations; half-hardy perennials; seed sown early will bloom first season; cover seed slightly. Fine mixed, pkt., 10c.

**Morning Bride**—A useful and ornamental plant with rich and beautifully colored flowers; effective for beds or borders, excellent for cutting. This old and well-known annual is not as generally cultivated as it deserves. Mixed colors, pkt., 3c.

## Nicotiana—Tobacco Plant.

Large, beautiful, deliciously fragrant, white flowers, of easy culture. If lifted in the fall will bloom during winter. Height about 2 feet.

**Affinis**—Sweet scented Tobacco Plant. Pkt., 3c.

Mr. Joe Brown, Adams County, Iowa, writes, April 5, 1900: "I will send you my order for seeds as I have used your seeds and am satisfied to still keep using them."

Mollie Smith, Scotland County, Mo., writes, Nov. 2, 1900: "Your seeds have always given satisfaction. I have often spoken a good word for your seeds."



**NASTURTIUM.**

## Nasturtiums—Tropæolums.

Half hardy annuals. Flowers of all different shades of yellow and red. The dwarf are round headed plants about a foot high, and make very fine beds for the garden. A bed of Dwarf Nasturtiums is very brilliant and attractive.

### Tom Thumb, or Dwarf.

**New Dwarf Chameleon**—(True French.)

This new variety presents a most unusual feature, which is that the flowers are of different colors on the same plant, and that they are variously blotched, splashed, striped, and bordered with these several colors. On one and the same plant, self colored flowers are found, others curiously stained or flushed on clear ground, while others are broadly edged with light shades or have dark margins. The neat, compact bushes are covered with flowers and form fine edgings and are fine for general garden decoration. Pkt., 5c; oz., 20c.

**The King of Tom Thumbs**—Intense scarlet flowers; dark foliage. Pkt., 5c.

**Yellow**—Pure light yellow. Pkt., 5c.

**Rose**—Delicate shade; attractive. Pkt., 5c.

**Beauty**—Light scarlet and yellow. Pkt., 5c.

**King Theodore**—Scarlet maroon. Pkt., 5c.

**Empress of India**—Brilliant crimson; dark foliage. Pkt., 5c.

**Mixed**—Many varieties. Pkt., 3c; ½ oz., 10c; oz., 15c.

### Majus, or Tall Nasturtiums.

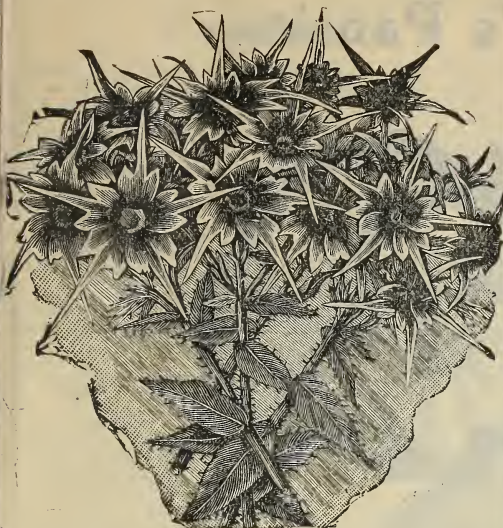
The Tall Nasturtium is one of our prettiest and best trailers; it blooms more freely than dwarf varieties.

**Yellow, Scarlet, Crimson, Purple, Chocolate**—Scarlet Striped, Maroon—Each, per pkt., 5c.

**Mixed**—Many sorts; pkt., 3c; ½ oz., 10c; oz., 15c.

Seven 5-cent packets Nasturtiums for 25 cts.



**Phlox.**

NEW STAR PHLOX.

**Star Phlox—Cuspidata.**

The center of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a regular star-like form. This variety is of compact habit and bears large umbels of flowers. The beautiful velvety florets, running through shades of scarlet, pink, violet, salmon and white, produces an effect not excelled by any other flower. Pkt., 5c.

**Phlox Drummondii.**

The Phlox Drummondii, for a splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson. Seed may be sown in the open ground in May, or in a hot bed or cold frame earlier; and during the summer and autumn they make a most brilliant bed of showy, yet delicate flowers. A good ribbon bed of Phlox is a most dazzling sight, and there is nothing so cheap. Set the plants a foot apart.

Deep Blood Purple—Pkt., 5c.

Brilliant Scarlet—Pkt., 5c.

New Double White—Pkt., 10c.

Choice Mixed—Oz., 50c; ½ oz., 30c; pkt., 5c.

**Grandiflora.**

This class is much larger than the common kind, both in the flower and plant. We offer a fine collection of brilliant shades. Pkt., 5c.

**Portulaca.****Rose Moss.**

Makes a dazzling display of beauty, many hued, highly colored. In bloom from about the 1st of July till frost. Plant in the open ground after it has become warm in light sandy soil and in a dry situation. Bed should be exposed to the sun. Tender annual.

Finest Single Mixed—Many beautiful sorts. Pkt., 3c.

Double Rose Flowered—Perfectly double, many brilliant colors, as well as striped. Mixed colors. Pkt., 10c.

**Pink—Dianthus.**

All this beautiful class of pinks are hardy, and will flower the second season if not allowed to flower too freely the first season. Sow in a hot bed, transplant to 6 inches apart. If not kept too warm are useful for house plants. Double varieties mixed produce flowers as large as the Carnation of Picotee. Hardy annual.

Snowball—Double white, fringed flowers, very fine. Pkt., 5c.

Fireball—Double, dark red flower. Extra fine. Pkt., 5c.

China or India Pink (Double)—Superb mixed. Pkt., 5c.

Imperia Pink—More double than the China Pink. Mixed. Pkt., 5c.

Double Japan Pink—Very beautiful; mixed colors in great variety; one foot pkt., 5c.

**Petunia.**

Petunias are unsurpassed, if indeed equaled, for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They do well sown in open border in the spring or by sowing in hot bed they come earlier into bloom. Be careful not to cover the small seeds too deeply. Hardy annual; 1½ feet high.

General Dodds—New, darkest red..... 5c

Pure White—Very fine. Pkt., 5c.

Blotched and Striped—Mixed. Pkt., 3c.

Finest Mixed—First quality. Pkt., 3c.



# Livingston's Pansies.



The Pansy is a popular flower with florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. Pansy seed may be sown in the hot-bed or open ground; if sown in the spring get it in as early as possible, so as to have the plants in bloom during the early rains. If sown in October, they will flower in early spring. To have good flowers the plants should be vigorous and make rapid growth. Young plants give the largest flowers. The following varieties and collections are secured from specialists in Europe and elsewhere, regardless of cost. We do not hesitate to recommend them with the greatest confidence. No one can offer better stock, al-

though their prices may be higher. At the prices quoted we give liberal sized packets, accord-

ing to the quality of the seed.

Fawn Colored—Pkt. .... 5c

King of the Blacks—The darkest Pansy known. Pkt. .... 5c

Silver Margined—Extra fine. Pkt. .... 5c

Snow Queen—(Snow Flake) Satiny white, light yellow center. Pkt. .... 5c

Blue—All shades. Pkt. .... 5c

Yellow Gem—Pure Yellow; very fine. Pkt 5c

Dark Purple—Rich shade; very fine. Pkt 5c

Mahogany Colored—Pkt ..... 5c

Striped and Mottled—A lovely class, of various shades and stripes. Pkt. .... 10c

Red Flowered Victoria—A new color among Pansies, deep claret red. They come very true from seed. Pkt. .... 10c

Havana Brown—Rich glossy brown. .... 5c

Lord Beaconsfield—Deep purple violet, shading upwards to nearly white. Pkt. .... 5c

Bronze Colored—Very good. Pkt. .... 5c

Livingston's Superb Mixture—This truly "superb" mixture has been produced by careful selection and combining of a number of high priced collections grown by specialists, and we feel confident it is simply impossible to excel it. It combines all that is good in other mixtures. Oz., \$10.00; pkt. .... 25c

Good Quality, Mixed—Oz., \$1.50; pkt. .... 5c

Large Flowering—Very fine mixed, embracing all the separate colors of German Pansies. Oz., \$3.00; pkt. .... 10c

Giant Trimardeau—Very distinct and beautiful, the flowers are very large. An endless variety of beautiful shades. Mixed. Pkt. .... 10c

Masterpiece—New. Each petal is curled and undulated very distinctly, giving the large bloom a full or rounded appearance. Has a great variety of shades. Pkt. .... 20c

Giant Yellow—(Trimardeau)—The flowers are of gigantic size; a bright golden yellow; spotted with black in center. Pkt. .... 10c

Giant White—(Trimardeau)—A very beautiful new Pansy, with purple eye. Pkt. .... 10c

Giant Odier—(Five Blotched)—A beautiful strain of various colored, large, handsome, perfectly formed flowers; dark spot on each petal; pkt. .... 15c

Bugnot's Superb Blotched—(Mixed)—This is a very large flowering race, in which the plants are vigorous, with short stalks bearing large flowers well above the foliage. Pkt. .... 25c

Any five 5-cent packets of Pansy Seeds for 20c; seven 5c packets for 28c; three 10c packets for 25c; seven 10c packets for 50c. Two 5c packets may be counted as one 10c, or one 10c packet same as two 5c, in making up collections.



## Poppies.

Showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps and mixed borders. Of easy culture, succeeding in any garden soil; flowers in great profusion all summer if sown in early spring. Sow where they are to remain, as they do not bear transplanting; 2 feet high; hardy annual.

### St. Brigid or Irish Poppies.

The large beautiful poppy-like flowers are produced in profusion. Some are single, semi-double and double, some have fringed edges. The gorgeous colors are almost endless, pleasing and effective—maroon, vivid scarlet, shell pink, lilac blue, purple, spotted, fringed, striped and even black and white are sometimes found. They bloom the first season if sown early, and, being hardy, continue blooming for years. Pkt., 10c; 3 for 25c.

**The Shirley**—This beautiful new single Poppy runs in colors from purest white through the most delicate shades of rose, pink and carmine to deep crimson. Very interesting to watch the flowers develop. Pkt., 5c.

**Fairy Blush**—Immense globular flowers perfectly double; 4 to 5 inches across; elegantly fringed, pure white with rose tipped petals. Pkt., 5c.

**Snowdrift**—Pure snow white; extremely double flowers of perfect form; large size. Pkt., 5c.

**Carnation-Flowered**—Double. Flowers unequalled for dazzling richness and variety of color. Oz., 25c; pkt., 5c.

## Roses.

### From Seed First Year.

**Dwarf Polyantha, or "Fairy"**—These beautiful little roses are very double (seldom single) borne in many-flower clusters and contain all the tints of cultivated Roses. They grow only about one foot high and commence blooming in a few weeks after the seed is sown, and continue to bloom the entire season. They are perfectly hardy and bloom year after year in profusion from May until frost. These little beauties are sometimes called Midget or Baby Roses. Pkt., 10c.

### Snapdragon.

The Antirrhinum or Snapdragon, is an old favorite border plant, with curiously shaped flowers, with a finery marked throat. They have been much improved and now are really magnificent flowers. They will blossom the first season from seed sown in the spring. Two feet high. Mixed, all colors. Pkt., 3c.



Snapdragon.

### Sensitive Plant.

A really pretty plant and affords a great deal of amusement. A plant or two reserved for the house will afford a great deal of pleasure during the winter. Start a young plant in a pot, and plunge the pot in the earth to the rim, removing it to the house in the autumn. Pkt., 3c.

## Salvia.

Very ornamental plants, flowering in spikes, and continues to bloom in open ground until frost, when the plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hotbed and transplanted to light, rich soil, about one foot apart. Tender perennial.

### New "Silverspot."

The most distinctive feature of this grand New Salvia is its strikingly handsome spotted foliage. Leaves are rich, soft, dark-green, with light yellowish, or cream-colored spots of various sizes liberally sprinkled over them. The unique and elegant foliage is very abundant, has extremely fresh, healthy appearance. The intense bright flowers are very large, the plants of neat, compact habit, as floriferous as ordinary sorts. Pkt., 15c.

**Splendens, or Scarlet Sage**—Most gorgeous plants with spikes of intensely scarlet flowers. The flower spikes measure from 10 to 12 inches in length, and there are as many as 200 spikes on a well grown plant. They continue to flower profusely all summer. Pkt., 10c.

### Sweet William—Dianthus Barbatus.

A very beautiful class of plants of extreme richness and diversity of color. The varieties have been greatly improved of late years. One and one-half feet. Hardy perennials.

**Fine Mixed**—All colors. Pkt., 3c.

## Stocks.

The stocks have been favorites for years, but of late they have been greatly improved, so that they are now almost indispensable where fine display is wanted. They are not only beautiful, but very fragrant. They can be sown in the open ground or in the hot-bed, but transplanting must be done when plants are quite small. If shaded during the hottest part of the day and watered in the evening it will add to the size and beauty of the blossoms. Set plants one foot apart.

**Dwarf German Ten Weeks**—Large Flowering double. Pure White, Brilliant Rose, Crimson, Purple, and Choice Mixed. Each, 10c per package; any three for 25c.

### Salpiglossis—Velvet Flower.

Very showy bedding or border plants, with richly colored erect funnel-shaped flowers. The colors are beautifully marbled and pencilled purple, scarlet, crimson, yellow, blue and almost black. Start the seed in hot-bed (or do well if sown in open ground), and transplant one foot apart. Bloom from August to October. Tender annual; one and a half to two feet high.

**Choice Mixed Colors.** Pkt.....5c.

### Schizanthus.

A beautiful tribe of plants. Easily cultivated, of bright colors, and useful for bouquets. Do well in the house or open ground. Two or three feet in height, and bears hundreds of flowers.

**Mixed—Best variety.** Pkt.....5c

### Smilax.

No climbing plant in cultivation surpasses this for the graceful beauty of its foliage. In cut flowers and for wreaths, etc., it is indispensable to florists. Tender perennial climber; ten feet high.

**Smilax, Myrsiphillum Asparagoides.** Pkt., 10c



# Livingston's Sweet Peas.



**Sadie Burpee**—Pure pearly white, of perfect form and substance and of large size. A vigorous grower, free flowering, and produces its flowers on long, stout stems. Is sure to become immensely popular with florist and amateurs. Per pkt., 5c; oz., 15c.

**Gorgeous**—A vigorous grower, and the most gorgeous in coloring yet produced. Bearing the large flowers, generally in threes, at the end of long, stout stems. It has a broadly-expanded standard of rich orange-salmon, wings quite large, of a suffused deep orange-salmon shade. Per pkt., 5c; oz., 10c.

**Navy Blue**—The only Sweet Pea that is of a true blue color, entirely distinct from any other variety. General color effect, dark blue; standards brilliant royal purple; wings pure violet. A most vigorous grower. Blooms of good size and substance. Stems usually bear three flowers. No Sweet Pea ever introduced has created such a sensation as this "Navy Blue." Per pkt., 5c; oz., 15c.

## Scarlet Sweet Pea—"Brilliant."

This supplies the need for a bright Scarlet Sweet Pea of improved form. The flowers are of good substance; medium to large in size; the broad standard is inclined to hood, while the wings are well spread. The color is of rich, bright crimson-scarlet. The wings nearly equal the standard in richness of color. The flowers are borne three on a stem. A most important point is that the flowers retain their full brilliancy of color under the hottest sun—never becoming marbled or burned. Pkt., 5c; oz., 10c.

## Beauty Cupid.

While being always of the true Cupid type—growing only six to seven inches high with deep emerald-green foliage—bears flowers fully equal in size, form, and substance to the best of the new tall Sweet Peas. The handsome large flowers are borne most profusely all over the plant in clusters of three at the top of strong stems. Of unusual breadth, rather pointed at the top, and edges recurved, giving it a deeply hooded effect. The keel is heavily curved, holding the wings well up under the standard; wings quite broad; well expanded, with slightly recurved edges. The standard is a delicate and yet decided rose color, lightening to nearly white at the edges, and slightly striped with carmine at the base. The wings are suffused rosy-carmine, deepening at the edges. A vigorous grower, it is a wonderfully free bloomer, and besides its beauty in the garden promises to be of real value as a commercial flower in greenhouses. Pkt., 10c; oz., 15c.

## White Cupid.

The First Dwarf Sweet Pea ever sent out. The flowers are pure white; height six inches; of spreading habit. Excellent for bedding. A charming companion for the new Pink and Beauty Cupids. Pkt., 5c; oz., 10c.

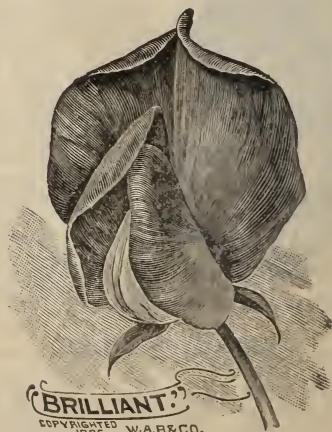
## New Pink Cupid.

This new Cupid has shell shape blooms of large size. The standard is a bright rose-pink, and the wings are pure white or light pink. The bloom is of great substance. The plant is a strong grower. The seed easy to germinate. Blooms from early to late and very profusely. It is a very fragrant and lasts a long time after being cut. Pkt., 5c; oz., 10c.

One packet each of above Cupid Sweet Peas, the three for 15c.

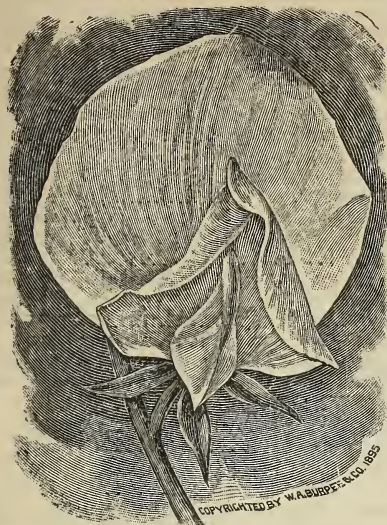
## Aurora.

Flowers of fine substance, full expanded form, gigantic in size. Flowers are borne three or four on a stem; stems extra long and strong. Vines vigorous in growth and bloom most profusely. Color effect is gorgeous; both standard and wings are flaked and striped on a white ground, with bright orange-salmon. Pkt., 5c; oz., 10c.





# Livingston's Sweet Peas.



## Blanche Burpee.

**Blanche Burpee** is pronounced by everybody who has seen it as the finest ever produced, being a perfectly finished flower of the purest white and of very large size. Should be planted thinly, being a most robust grower, and this will allow the plant to properly develop. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

**Borreaton**—A fine Pea, having deep maroon flowers. Pkt., 5c; oz., 10c.

**Queen of England**—Pure white. Pkt., 3c; oz., 7c.

**Miss Blanch Ferry**—An improvement of the "Painted Lady," being larger and coming very early. Very hardy, a vigorous grower, very sweet scented. Blossoms profusely. Pink and white. Pkt., 3c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Carmine Invincible**—Shining, crimson scarlet. Pkt., 3c; oz., 7c.

**Isa Eckford**—Creamy white and rosy pink. Pkt., 3c; oz., 7c.

**Emily Henderson**—Pure white, flowers of remarkable substance, borne on long, stiff stems, and are very large. Plant robust, blanching, producing an abundance of bloom. Very early and remains a long time in bearing; very fragrant. Pkt., 3c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Captain of the Blues**—Standards purple mauve; wings lighter; shading to blue. Large, effective and handsome. Pkt., 5c.

**Butterfly**—Pale gray, with distinct porcelain edge. Pkt., 3c; oz., 7c; ¼ lb., 15c.

**Painted Lady**—Rose and white. The beautiful old pink variety, so popular with all who have grown Sweet Peas. Pkt., 3c; oz., 7c; ¼ lb., 15c.

## Daybreak.

A fine new Sweet Pea. It is quite distinct, a good germinator, a thrifty grower and a fine bloomer. In color it has a white ground, and on the reverse of the standard is a crimson scarlet cloud, which shows through in the fine veins and net work, giving to the center of the front of the standard a fine varicled effect, the outer margins being white. The wings are white and sometimes slightly flaked with crimson. Pkt., 5c; oz., 10c.

**Shahzada**—Very distinct, being of strong purplish maroon, wings velvety indigo purple. Of large size, stems extra long, usually three-flowered. Pkt., 5c; oz., 10c.

**Firefly**—Of the largest expanded form, the flowers are borne three on a stem; standards a deep brilliant scarlet, wings truly a fiery shade. Per pkt., 5c; oz., 10c.

**May Friar**—Entirely unlike any other Sweet Pea. It is a most beautiful watered purple on white ground. The flowers are borne 3 and 4 on a stem. Perfectly beautiful in a bouquet when bunched alone. Per pkt., 5c; oz., 10c.

**Maid of Honor**—Light blue on a white ground shaded and edged. The flowers are borne three on a stem, of the finest hooded form, large size. Pkt., 5c; oz., 10c.

**Stanley**—A magnificent large flower; standard rich mahogany brown; wings garnet maroon. A fine variety. Per pkt., 5c; oz., 10c.

**Lottie Eckford**—Standard rose and white, edged with blue. Pkt., 3c; oz., 7c.

**Gaiety**—Striped crimson on white. Pkt., 3c; oz., 7c; ¼ lb., 15c.

**Purple Prince**—Maroon, with wings purple. Pkt., 3c; oz., 7c; ¼ lb., 15c.

## Gilt Edge Mixture.

This mixture contains all that is desirable in recent introductions, also many of the latest novelties. It certainly cannot be improved upon. The blossoms of this strain are very large and fine. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## Fine Mixed.

Does not contain so great a number of varieties as the "Gilt Edge" mixture, but will give very good results, and is so cheap that any one can use it by the pound. Pkt., 3c; oz., 7c; ¼ lb., 15c; lb., 50c.

## Sweet Pea Collection.

Select any 6 3-cent pkts. for 15c.

Select any 12 3-cent pkts. for 25c.

Select any 7 5-cent pkts. for 25c.





## Verbena.

Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially the light colors. The seeds sprout very unevenly, some not coming up for six weeks after others. They flower perfectly well from seed sown in spring. If started in the house in pots or shallow boxes in winter, they will bloom sooner. Transplant as fast as plants are two inches high, two feet apart each way.



MAMMOTH VERBENA.

**Mammoth**—This class of Verbenas produces flowers of enormous size, the florets being fully one inch in diameter and with white eyes. Our illustration, which is about one-half natural size, represents extremely well the size and fine form. Choice. Mixed pkt., 10c.  
**Cloth of Gold**—A very effective, clear golden yellow foliage bedder; its deep crimson flowers form a striking contrast. Pkt., 10c.  
**Scarlet Defiance**—True deep scarlet. Pkt. 5c.  
**Pure White**—Quite true. Pkt. .... 5c.  
**Striped Varieties**—A great variety. Pkt., 5c.  
**Choicest Mixed**—Saved only from the most beautiful named flowers. Pkt. .... 10c.  
**Fine Mixed**—Pkt. .... 5c.

## Zinnia.

The Zinnia is a brilliant annual and general favorite, its splendid double flowers rivaling in beauty, size and form moderate sized Dahlias. They bloom until frost.



ZINNIA POMPON.

**Double pure white**. Pkt. .... 5c  
**Dwarf Fireball**—Double fiery scarlet. Pkt., 5c  
**Golden Yellow**—Flowers large, perfect in shape, clear golden-yellow. Pkt. .... 5c

## Miscellaneous List of Flower Seeds.

The following list of flower seeds are some of the best known and hardly need be described. Seven 5-cent packets for 25c.

Twelve 3-cent packets for 25c.

**Abronia**—Trailing habit. Mixed Colors.. 3c  
**Asperula**—Adapted for bouquets; bright blue. **Azurea Setosa** ..... 5c  
**Adonis**—Scarlet Flowers, handsome. Mixed 3c  
**Adumia**—(Mountain Fringe)—Attractive climbing plant ..... 5c  
**Agrostemma**—Pretty for edgings. **Rosea**. 3c  
**Anagalis**—Adapted for borders or rockeries Mixed ..... 3c  
**Ammobium**—A good everlasting. **Alatum**. 5c  
**Amaranthus**—Handsome foliage. All kinds, mixed ..... 3c  
**Alonsia**—For mixed beds. **Linifolia** .... 5c  
**Accroclinum**—A good everlasting. Mixed 5c  
**Callirhoe**—Rich velvet purple blossoms with white eyes. Mixed..... 5c  
**Centranthus**—Beautiful for masses of borders. Mixed ..... 3c  
**Columbine**—(**Aquilegia**)—Beautiful in form and color. Mixed..... 3c  
**Catchfly**—Free flowering; red, rose, pink-like blossom. Mixed ..... 3c  
**Canary Bird Flower**—A beautiful climber, yellow blossoms ..... 5c  
**Collinsia**—Pretty, free blooming, hardy annual. Mixed ..... 3c  
**Dahlia**—Large late flower Double mixed. 10c  
**Digitalis** (Foxglove)—Handsome ornamental plants. Mixed ..... 3c  
**Euphorbia**—An ornamental leaved plant. Varigated ..... 3c  
**Evening Primrose**—Fine flowering plants, open evenings. **Lamarkiana**..... 3c  
**Eutoka**—Excellent for cutting. **Viscida**.. 3c  
**Gypsophila**—Small white flowers for bouquets **Elegans** ..... 3c  
**Godetia**—Free and constant bloomer; mixed 5c  
**Gilia**—Finely cut foliage. **Celestial** blue blossoms. Mixed ..... 3c  
**Gomphrena**—Everlasting, retains shape and color. Mixed ..... 3c  
**Gaillardia**—Very large showy flowers. Constant bloomers. Mixed ..... 3c  
**Hibiscus**—Flowers cream colored, purple center. **Africanus** ..... 3c  
**Helichrysum**—A very fine everlasting flower. Mixed ..... 3c  
**Hyacinth Bean**—A splendid climber; purple and lilac flowers. Mixed ..... 3c  
**Linum**—A good bedding plant saucer shaped scarlet flowers. **Rubrum** ..... 3c  
**Lupinus**—(Lupins)—Long graceful spikes of bloom; rich colors. Mixed ..... 3c  
**Leptosiphon**—Good for marginal beds and borders. Mixed ..... 3c  
**Larkspur**—Beautiful spikes of double flowers in many colors. Mixed ..... 3c  
**Lantana**—A brush covered with blossoms, followed by berries. Mixed ..... 3c  
**Nemophila** (Love Grove)—For border or pot culture; flowers exquisite. Mixed..... 3c  
**Nolana**—Trailing plant for baskets, rock work and beds. Mixed ..... 3c  
**Ornamental Grasses** (Mixed)—Small pkt., 5c; large pkt., 10c.  
**Rhodanthé**—Fine for winter bouquets; mixed 3c



**SUNFLOWER, Dwarf Double**—A good plant for screen .....3c  
**SUNFLOWER, Mammoth Russian**—Largest, most productive. Oz., 5c; ¼ lb., 10c; pkt., 3c.  
**SEDUM (Stone Crop)**—For rockery or hanging baskets. Mixed.....5c  
**THUNBERGIA**—Trailing plant for hanging basket, vases, etc. Mixed.....5c  
**VINCA**—Glossy green foliage; beautiful flowers. Mixed .....5c  
**VIOLET**—For border or rock work; requires shade. Blue. Pkt. ....5c  
**WHITLAVIA**—A good plant for baskets, vases, or pots. Mixed.....5c  
**XERANTHEMUM**—An everlasting of neat, compact habit. Mixed .....5c

## Flower Pots.

We carry a complete stock of these, and can supply in large or small quantities. All orders to be shipped should amount to at least \$1.00, when we pack and deliver to our depot free of cost.

4 inch pots, dozen,	30c.	Saucers, dozen,	15c.
5 inch pots, dozen,	40c.	Saucers, dozen,	17c.
6 inch pots, dozen,	60c.	Saucers, dozen,	25c.
7 inch pots, dozen,	85c.	Saucers, dozen,	35c.
8 inch pots, dozen,	\$1.15.	Saucers, dozen,	45c.
9 inch pots, dozen,	\$1.60.	Saucers, dozen,	55c.
10 inch pots, each,	22c.	Saucers, each,	8c.
12 inch pots, each,	40c.	Saucers, each,	15c.
15 inch pots, each,	90c.	Saucers, each,	25c.

## Special Mixtures of Flower Seeds.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

**FRAGRANT ANNUALS.** A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening; some are suitable for cutting. Packet, 10c.

**Mixtures of Climbers.** A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, etc. Packet, 10c.

**Flowers for Bouquets.** This mixture contains seeds producing flowers for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the entire season. Packet, 10c.

**Mixed Everlastings.** A great variety of attractive Everlastings. Packet, 10c.

ANY THREE MIXTURE PACKETS FOR 25 CENTS.

## Mixed Ornamental Grasses.

Very beautiful and attractive for mixed flower beds and borders during summer, and extensively used in the arrangement of winter bouquets and in other house decorations. Should be cut while fresh and green and hung in a dry and airy place in the shade. Easily grown in any soil. Pkt. 10c; half pkt., 5c.

## Wild Flower Garden Mixture.

These mixed flower seeds embrace more than a hundred varieties of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for woodland walks, roadsides, railroad embankments and for sowing alongside of fences, and on any untidy bare spots of ground which are so frequently unsightly and which, if properly cared for and kept free from weeds, produce a continual display of bloom during the summer. Pkt., 5c; oz., 25c.

## Bulb Bargains.

Collection No. 1 consists of 18 fine bulbs amounting to \$1.00 for only 75c. They are made up of Amaryllis, Cinnamon Vine, Caladium, Maderia Vine, Gladiolus, Trebroses and Lily. A great bargain. You'd say so if you saw them. Let us send you one of these splendid collections.

No. 2 Collection of Vines consists of 12 beautiful vines valued at \$1.35 for only 1.00. They are 2 fine Iveys, 2 elegant Clematis, 2 Cinnamon Vine, 6 Maderia. Half the collection for 60c.

Collection No. 3. Twelve choice named Dahlia 15c each for only \$1.50 or six for 80c.

Collection No. 4. Twelve extra fine named Cannas, the 10c kind for only \$1.00 or 6 for 50c.

Collection No. 5. Half dozen each Dahlias, and Cannas in splendid sorts for \$1.25. All of the above collections are to be of our selection, in every case.



# Summer Flowering Bulbs.

All Bulbs sent prepaid unless otherwise noted.

## Amaryllis.

Lily shaped flowers of great beauty.

**Formossissima** (Jacobean Lily) — Flowers are of deep crimson; color very striking. Each, 10c.

**Atamasco**—Fine for bedding. White, suffused with rose. Each, 5c; 3 for 10c. Doz., 35c.

**Johnsonii**—Flowers large crimson, striped white; very fine. Each, 25c.

## Ampelopsis—(Ivy.)

**Boston or Japan Ivy** (Veitchii)—A variety that has tendrils so strong they cling to any kind of a wall, wood, brick or stone; large, strong plants. Each, 25c.

**Virginia Creeper, American Ivy**—A perfectly hardy variety under all conditions. An exceedingly rapid grower. Each, 25c.

## Clematis Vine.

The Clematis must have a sunny location and good culture. Dig the ground deep, make it rich, and water whenever needed. The plants we offer in Clematis are fully double the size you buy of agents and our price only about half theirs.

**Madam Edward Andre**—This new variety of a brilliant crimson, a color in Clematis heretofore unknown. It is a rapid grower, hardy and very prolific in bloom. Each, 50c.

**Paniculata**—A fine, hardy variety, having small sweet scented flowers borne in immense numbers. One specimen of which we know furnished a bushel basket full of bloom at one time and yet they were hardly missed from the vine. The flowers appear in September. One of the best Clematis to use as a screen as it grows up very rapidly and has glossy green leaves. Each, 20c. Extra strong, 30c.

**Jackmanii**—Large, rich, deep purple flowers. A very popular sort everywhere. Very hardy, but does best if given some protection. Strong plants, that will bloom some this season. Each, 50c. Extra strong plants, 75c.

**Henryii**—The leading white variety. Strong grower, having flowers of large size and creamy white. Large plants. Each, 50c. Extra strong plants, 75c.



CALADIUM.



CINNAMON VINE.

This beautiful climber is perfectly hardy, the stem dying down every autumn, but growing up again so rapidly in the spring as to completely cover any trellis or arbor in the season. It is as easily cultivated as the Madeira Vine, has no insect enemies, and is not affected by drouth; and, with its beautiful, heart-shaped leaves, bright green peculiar foliage, and clusters of delicate white flowers, it is one of the most desirable climbers in cultivation. Strong roots. Each, 8c; two for 15c; four for 25c.

## Begonias.

**Tuberous-Rooted.** The extra large size and beautiful colors recommend this flower to all. They are easily grown and cared for. For growing in pots or boxes in the house, plant in rich, sandy soil; give good drainage, water freely after the leaves start, but do not let the soil become sour or logged from over watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly potted manure and leaf mould, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth keep well watered. If planted in a proper situation no plant will give a more magnificent display throughout the summer. The Single varieties are most satisfactory for general purpose.

**Single Mixed, Large Well Ripened Tubers,** Many varieties. Each, 10c; 4 for 25c; dozen, 75c.

**Double Varieties**—A fine mixture.

Many varieties. Each, 15c; 4 for 50c; doz., \$1.00.

## Caladium—(Elephant's Ear.)

**Caladium**—A beautiful, large, showy foliage plant, immense leaves, frequently four feet by two and one-half feet. Plant often attains a height of five feet, the immense leaves producing a tropical effect.

**Small Bulbs,** 6 to 8 inches around, each, 10c; doz., \$1.00.

**Medium Bulbs,** 8 to 10 inches around, each, 20c; doz., \$2.00.

**Large Bulbs,** 10 to 12 inches around, each, 50c.





## Cannas.

### LARGE FLOWERING.

These are noted for great beauty and the size of flower as well as handsome foliage. They are growing in popularity each season and the introduction of new varieties of unusual merit, in recent years, has only tended to increase the demand for this truly magnificent bedding plant. We offer some of the choicest sorts of recent introductions, also those of known merit and distinctive peculiarities.

**King Phillip.** Introduced last season for the first time. Color, orange-scarlet, dotted and vined with deep red, which contrasts beautifully with the deep green foliage. This variety is recommended as strictly first-class, and in a letter dated Dec. 5, 1900, from the man who originated this variety, says: "I consider this as one of the best cannas grown." Height, 3 feet. Price, each, 15c; doz., \$1.50.

**Austria**—One of the grand orchid-like flowers of pure canary yellow, with but a few traces of small reddish brown spots in the center of the two inside petals. Each, 10c; doz., \$1.00.

**Italia**—Magnificent mammoth orchid-like flowers of bright orange scarlet, with broad golden yellow border, borne on long, heavy, stems well above the foliage; foliage large and heavy. Each, 10c; doz., \$1.00.

**Alphonso Bouvier**—One of the grandest outdoor bedders of all Cannas. Luxuriant grower, foliage bright green, flowers a vivid crimson; a profuse bloomer, beginning early, and is a continuous mass of crimson the entire season; 4 to 6 feet. Each, 10c; doz., \$1.00.

**Mlle. Berat**—A most distinct and novel variety, being the nearest approach to a pink yet introduced. It is of a very soft shade of rosy carmine and is very pleasing and unique. Foliage green. 4 feet. Each, 15c; 2 for 25c.

**America.** The first red leaved Canna in the giant flowered class. Height 4 to 5 feet. Foliage fine glossy bronze, almost as if varnished. Flowers extra large, deep orange flamed and striped with deeper shade. Entirely distinct from any other Canna, both in foliage and flower. Each, 15c; 2 for 25c.

**Egandale.** An excellent sort, with bronze foliage and soft current-red flower, which are thrown well above the foliage; the best of its type. Height about 4 feet. Each 10c; dozen, \$1.00.

**J. D. Cabos.** This variety has purplish green foliage, and the stalks are numerous. Flowers large and round, with an exceedingly distinct apricot color. Its novel color attracts much attention. Height about five feet. Each, 10c; doz., \$1.00.

**Souvenir d' Antoine Crozy**—3 feet. Green foliage. This is a perfect gem and in our estimation the finest gilt-edged variety yet introduced; the flowers are large, well rounded petals, which are of intense scarlet-crimson, rich and dazzling and are bordered with a broad, rich, golden-yellow border. Each, 10c; doz., \$1.00.

**New Yellow Canna Burbank**—A California Seeding of great merit; giant orchid-like, canary yellow, double the size of Madam Crozy. A splendid bedding plant with luxuriant broad leaves. Each, 10c; dozen, \$1.00.

**Flamingo**—A superb variety. Flowers very large and of fine, even rounded form. Color, deep, glowing crimson, exceedingly bright and attractive. Plant vigorous, with massive dark green foliage. Sure to become a most popular bedder, and one of the best for indoor blooming in winter.  $3\frac{1}{2}$  feet. Each, 10c; doz., \$1.00.

**Duke of Marlborough.** 3 feet. The darkest canna known, a beautiful crimson maroon. This is a sturdy, erect grower, fine metallic green foliage. No matter how many varieties you may have, you need this one to make your collection complete, for it is entirely distinct from all others. 15c each.

**Florence Vaughan**—A striking, lemon yellow, spotted with bright red; free bloomer; has large spikes of flowers; foliage light green. Height, 4 feet. Each, 10c; doz., \$1.00.

**J. C. Vaughan**—Purple foliage, flower large, color clear, deep vermilion orange, with a satiny lustre on the petals, contrasting brilliantly with the dark foliage.  $4\frac{1}{2}$  feet. Each, 10c; doz., \$1.00.

**Madam Crozy**—This grand sort has flowers of deepest vermilion red, with a distinct gold border; are almost constantly in bloom, and have large individual flowers. Height, 4 feet. Each, 10c; doz., \$1.00.

**Queen Charlotte**—A splendid orange scarlet flower with wide border of golden yellow on each petal. Very distinct and striking. Flowers borne just right height above the broad, luxuriant leaves. Height, 3 feet. Each, 10c; doz., \$1.00.

**Chas. H nderson**—One of the finest. Rich crimson, perfect form, a wonderful bloomer, fine bedding sort. Height, 4 feet. Each, 10c; doz., \$1.00.

**Cannas, Mixed, all Colors of Flowers and Leaves**—10c each; 6 for 50c. By express—25 for \$1.50; 50 for \$2.75.

**Red Shades, Mixed**—Each, 15c; 5 for 50c. By express—25 for \$1.50; 50 for \$2.75.

**Yellow Shades, Mixed**—Each, 15c; 5 for 50c. By express—25 for \$1.50; 50 for \$2.75.

**Mixed Bronze**—Each, 15c; 10 for \$1.00. By express—12 for \$1.00; 25 for \$1.75; 50 for \$3.00.

Any Three 10c. Cannas for 25c.

Any Three 20c. Cannas for 50c.

Any Four 15c. Cannas for 50c.





GRAND DUKE ALEXIS.

**Grand Duke Alexis Dahlia.**

Largest variety known, sometimes 6 inches in diameter, of entirely new form, each petal being twisted and curved funnel shaped, with astonishing regularity. The color of the flower is pure white, shading to most delicate, charming shell pink. Each, 20c.

**Earl of Pembroke.**

A grand dahlia, looking more like a chrysanthemum than a dahlia. Its petals are very long and narrow. Every flower is perfectly formed, and quite full to the center. Color, rich, dark purple lake. Height about 3 feet. Each, 20c.

**Bon Ton.**

A fine ball shaped flower. Color, deepest garnet, red tipped; streaked and marbled with pure white; sometimes solid red. A very fancy variety. Height about 3 feet. Each, 20c.

**Purple Gem.**

Rich royal purple, clear and constant. This is a show variety and a decided improvement over the older varieties. A first-class flower. Height about 3 feet. Each, 20c.

**Mrs. W. J. Bryan.**

For cutting, this variety is a decided success, as it has exceptionally long and wiry stems. Color, light lavender, shaded rosy pink. Height about 4½ feet. Each, 20c.

**Miss Dodd**—Purest yellow. Of exquisite form and color. Remarkably handsome flower. Height, 3 feet. Each, 15c.

**Maid of Kent (Grand Mogul)**—Intense scarlet, variegated with pure white, frequently a solid scarlet. A pure Cactus Dahlia of large size. Extra fine. Height, 4 feet. Each, 15c.

**Prince Bismark**—Purple lake. A most pleasing color. Very fine form. One of the best. Height about 3 feet. Each, 15c.

**A. D. Livoni**—Rich pink. Finely formed. A very handsome flower. Plant about 3 feet. Each, 15c.

## Dahlias.

The Dahlia has always been a favorite for autumnal flowering. The flowers are large, symmetrical and perfect, the color so brilliant and varied that they will always be popular. They should be set out 3 feet apart after all danger of frost is over. Support the plants by tying to stakes. Our collection includes the best and most desirable colors and shades, are procured from the best growers only and cannot fail to please.

**Florence Wood.** (Show.) This dahlia originated three years ago, and was offered for the first time last season. It is a large, exceptionally well formed flower, borne well above the foliage on stiff stems. Color, light violet purple. Early and free. Height, about 3 feet. Each, 20c.

**Beauty.** A beautiful pure white. Large and full. One of the best of all the whites. 3 feet. Each, 15c.

**Lyndhurst.** (Decorative.) Scarlet or vermilion. Distinct in its color from all others. A noble flower. Height, 4 feet. Each, 15c.

**Annie Moore.** A fine variegated flower of medium size. Color, a beautiful combination of cherry, pink and white. Height, 3 feet. Each, 15c.

**John Elitch**—A noble flower. By good judges it is pronounced the best red Dahlia to date. A broad-leaved Cactus with long stems. Color, a dazzling red, with no shade or variation. Very large and double to the center. Height, about 5 feet. Each, 15c.

**Prince of India**—Very large, often six inches in diameter; very prolific. Flowers of perfect form, remaining full in the center even after outer petals have faded. Color, a beautiful rich, rosy crimson. Height, 4 feet. Each, 15c.

**Mrs. Hartong**—A Cactus Dahlia of very large size and exquisite form. Color, light fawn, suffused with pink. Each, 15c.

**John Bennett**—Buff orange shaded to crimson. Flowers very large and full. Height about 3 feet. Each, 15c.

**Kaiser Wilhelm**—One of the grandest sorts in cultivation; of immense size and perfect form. Deep yellow tipped and shaded with cherry red. Height, about 3 feet. Each, 15c.

**Patrick Henry**—Pure white. Flowers are very large and pure in color. Plant 6 feet high. Each, 15c.

**Lady Mindmay**—A very beautiful flower. White ground shaded to pale lilac. Very large and full; a free bloomer. Height, 3 feet. Each, 15c.



Mrs. W. J. Bryan, (Half Natural Size.)

Any three 15c Dahlias for 40c; 6 for 75c.



## Gladiolus.



The Gladiolus is one of the most showy and attractive of the summer flowering bulbs. Its varieties are numerous, hardy and easy of culture. They thrive in almost all soils. Plant where they will get plenty of sunlight; set the bulbs 6 to 8 inches apart, large ones 4 inches deep, small ones 2 inches deep; make an early planting, as soon as the ground gets warm and dry, and additional plantings every week until the middle of June for a succession. Its flowers are borne in tall, dense spikes, and in every shade of delicate, rich and brilliant coloring. For cut flowers in vases, for house and table decorations, no flower is more beautiful or lasting. The bulbs we offer are of the finest quality, and no better mixtures can be had where fine colors and distinct markings are desired. At the 100 price we do not prepay charges.

Each. Doz. 100

Red, of various shades.....	3	25	\$1.50
Striped and Varigated .....	4	45	3.00
White and Light.....	5	50	3.00
Yellow Shades .....	5	50	3.75
Pink shades .....	4	40	3.00
Extra Fine Mixed .....	3	25	1.50

Lemonine's Hybrid Mixed—The Lemoine's

Seeding Gladiolus is sometimes called Butterfly Gladiolus on account of resemblance to a butterfly with beautiful spots on the lower petals. They are indescribably beautiful. Each, 5c; doz., 50; 100, \$4.00.

## Hydrangea.

(PANICULATA GRANDIFLORA).

These noble summer and autumn flowering shrubs are absolutely hardy; grow in any soil, and bloom the same year they are set out; they flower abundantly, bearing immense panicles of bloom, white at first and turning to rose in autumn. An annual shortening of the branches tends to increase the size of the flowers. Each, postpaid, 25c; larger plants, by express, 25c to 50c.

## Lilies.



**Auratum** (Gold Banded Lilies of Japan) — Large white flower, each petal marked with wide gold band, spotted with maroon, and the spots stand up like plush. Free bloomer. Hardy. Fine bulbs, each, 25c; smaller size, 15c.

**Album**—Lovely pure white Lily, slightly tinted with pink at the

tips of the petal. Hardy. Each, 25c.

**Rubrum**—Rose white, spotted with crimson. Hardy. Each, 20c.

**Tenuifolium**—Beautiful and perfectly hardy; blooms early; color, lovely vermilion scarlet; very handsome. Each, 20c.

## Maderia or Mexican Vine.

A very rapid growing vine, having glossy green leaves of leathery texture, remaining so throughout the entire season. We have used this splendid climber at our home for a number of years, and under all conditions the leaves first forming near the ground have remained fresh and bright until frost. The delicate and very fragrant little blossoms appear in numerous clusters during the latter part of summer, and when in full bloom there is nothing more beautiful or fragrant. If you have never grown this old favorite, or have run out of tubers, let us send you some. Vigorous bulbs. Each, 5c; ½ pint, 15c; pint, 25c.

## Paeonies.

A very showy and most useful class of plants; exceedingly hardy, and will flourish in any section of the country, no matter how cold. They grow and flower well in almost any soil with very little care, but the flowers will be finer and the colors brighter if given rich soil and plenty manure.

**Albiflora.** A grand old peony; pure white; very large and fragrant. Sometimes shows red streaks in the center. Each, 25c; 3 for 65c.

**Early Rose.** Early pink variety; blooms right after the Old Red; the flowers are large and in clusters. Each, 25c; 3 for 65c.

**Officinalis Rubra.** (Old Red). Flowers of a bright scarlet crimson, quite double and globular; very early, rare and fine. Each, 25c; 3 for 65c.

## Rudbeckia.

Golden Harvest.

This is decidedly one of the brightest and most showy among the hardy plants and of the easiest culture possible. The plant is compact, growing four to five feet high, producing numerous stems which are laden with double golden-yellow flowers, in size and general appearance resembling a Cactus Dahlia. Excellent for cut flowers, lasting well when cut. Should find a place in every garden. Price, 10c each; \$1.00 per dozen.

## Tuberoses.

One of the most delightfully fragrant and beautiful of the summer flowering bulbs. The flowers are waxy white and the sweetest scented flower that grows. The growing plant is fond of light and heat, and must have full sunlight when bedded, and plenty of water after it begins to grow freely, but not too much water when first

started, and should not be planted outside before May 1st. The bulbs may be planted at intervals of a week or so to give a succession of bloom.

**Excelsior Dwarf Pearl.**

Flowers large size; very double; stem two to three feet.

**Small Size Bulbs**—Plenty large enough to bloom. Each, 3c; 6 for 15c; doz., 30c.

**Medium Sized Bulbs**—Each 6c; 3 for 15c; doz., 50c.

**Mammoth Bulbs**—Especially selected for our retail trade. Each 10c; three for 20c; doz., 75c. By express, at purchaser's expense, doz., 60c; 100, \$3.00.





# FRUIT PLANTS.

**Prices**—Our prices are as low as first-class plants can be sold, in quantities mentioned. Good plants put up in first-class shape cannot be sold at shoddy prices without loss to somebody. Cheap plants, as a rule, mean poor plants. We sell 50 plants at the 100 rates; 500 at the 1,000 rate. No plants will be sent C. O. D. Our prices by dozen and 100 include postage; by the 1,000 they are not prepaid.

**Good Packing**—We pack in first-class shape. Plants trimmed, roots straight and tied in bundles. Packed in good clean moss; no charge for packing.

**Never Substitute**—When ordering late, please give second choice, to avoid delay of writing you, as we never substitute without permission.

## STRAWBERRIES.

**Strawberry Culturists**—A book that gives everything in detail and nicely illustrated. Price, 25c.

Varieties marked P are pistillate and must have a variety marked S or staminate, planted near them as a fertilizer, save about every third or fourth row. The staminate varieties will fruit if planted alone, but they do not bear so well, as a rule, as the pistillate sorts.

**Warfield**—(P.) We place this first on the list, because after being well tested over about every state in the Union, it is considered one of the best market berries grown. All things being considered that go to make a profitable market berry—four rows of this with two rows of B. Wood or Robinson as a fertilizer—will produce more good marketable fruit than any other we can now name. Doz., 25c; 100, 80c; 1,000, \$2.50.

**Beder Wood**—(S.)—Holds first place as a good fertilizer for most pistillate, and one of the best bearers of excellent fruit of good size and quality; commences ripening early and lasts a long time. Doz., 25c; 100, 80c; 1,000, \$2.50.

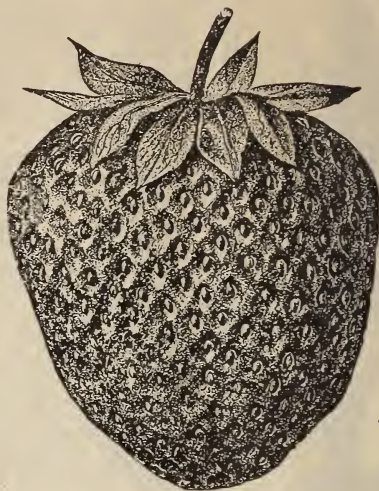
**Bisel**—(P.) A vigorous grower, healthy and hardy, makes plenty of plants, has long roots which enable it to stand drouth well. Fruit is large, good quality, firm, a good shipper; color is deep glossy red; very productive. Season same as Crescent continues in fruit a long time, very uniform in shape and size; fruit held up from ground on strong, heavy fruit stems. Adapts itself to all soils and climates; a decided advantage in any strawberry. Doz., 25c; 100, 80c; 1,000, \$3.00.

**Haverland**—(P.) A good grower, healthy and hardy, producing large crops of large, long, handsome berries of very fair quality. It is not a good shipper. For home market, a profitable berry to grow. Doz., 30c; 100, \$1.00; 1,000, \$3.25.

**Bubach**—(P.) This is perhaps the most popular of any of the very large berries that have been well tested, generally, over our country. Of extra quality, but too soft for a market berry. Doz., 30c; 100, \$1.00; 1,000, \$3.25.

**Parker Earl**—(S.) Under favorable circumstances this is certainly the most productive berry. But must have rich soil, high cultivation, and plenty of water, or it cannot mature its crop. The fruit is fair size, bright red, handsome cone shaped with slight neck, good quality, moderately firm, fairly good shipper. It makes but few plants, but they are very large. Doz., 40c; 100, \$1.50; 1,000, \$6.00.

**Wm. Belt**—(S.) Mid season. Considered "the best variety ever introduced" by the best authorities in the United States. If you try but one let it be Wm. Belt, a giant in size, very productive, brilliant red, quality extra fine; good shipper. Doz., 30c; 100, \$1.00; 1,000, \$3.25.



**Bismarck**—The plant resembles Bubach in general appearance, but is more robust and stocky, with the same ironclad foliage, and is even more productive. The berries are very large, obtuse conical, seldom or never cocks combed, bright scarlet, firm and solid and of excellent quality. It colors all over, with no green tip, and ships well. Doz., 30c; 100, \$1.00; 1,000, \$3.25.

**Nick Ohmer**—(S.) The plant is very large and stocky, sending out plenty of very strong runners. It is probably not surpassed in healthy, vigorous growth and great productiveness by any variety. It has a perfect blossom. The fruit is of the very largest size, a giant among strawberries. It is never misshapen. Its only departure from the regular roundish conical form is when, under high culture, it is somewhat triangular. It is dark glossy red, firm and of excellent flavor. Doz., 40c; 100, \$1.50.

**Clyde**—(S.) A perfect bloomer and a very strong grower, long roots, numerous runners. Berries large to very large, conical, bright scarlet, firm. Season early to quite late, and immensely productive. Berries regular in shape and size. Resists drouth well because of its long roots, and has clean, healthy, foliage free from rust. Doz., 30c; 100, \$1.00; 1,000, \$3.50.

**Glen Mary**—(S.) Early. A choice, extra fine berry of large size; bright, glossy crimson; brings highest price in any market; good in all ways. Doz., 30c; 100, \$1.00; 1,000, \$3.25. We can usually supply the following varieties in quantities, just as true stock as any one has.

## CONDENSED LIST.

	By mail.	By mail.	By express
(P) Crescent .....	12	100	1,000
(S) Saunders .....	25	\$0.80	\$2.50
(S) Ridgeway .....	25	.80	3.00
(S) Splendid .....	40	1.50	...
(S) Ruby .....	25	.80	3.00
(P) Parker Earl, Jr. ....	40	1.50	...
(P) Robinson .....	25	.75	2.25
(S) Lovett .....	25	.80	3.00
(S) Cyclone .....	30	1.00	3.25
(S) Wolverton .....	30	1.00	3.25
(S) Brandywine .....	30	1.00	3.25
(P) Seaford .....	30	1.00	3.25



## Raspberries.



NEMAHA.

**Nemaha**—The fruit is almost identical with Gregg. A large berry, late in ripening; canes more hardy; makes more tips; very productive; will stand cold winters much better. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

**Kansas**—It has proven hardy everywhere tried, and is highly praised by all. The plant is a very strong grower, healthy and hardy; it produces plenty of strong, heavy tip plants, with very long roots. The fruit is about the size of Gregg, jet black; ripens a little later than the Tyler. The berry is firm, a good shipper, and of good quality. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

**Gregg**—This black cap does much better in a clay or timber soil than it does on prairie soil. A fine large popular late sort. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

**Older**—Originated in Iowa years ago and has stood all our test winters. The hardest and most productive of any. The berry is coal black, about the size of the Gregg. Ripens about three days earlier than Tyler or Palmer and about six days earlier than Gregg, and lasts the longest of any. Decidedly the richest and best berry when canned. It stands without a rival in resisting cold and drouth, in northern Iowa, northern Illinois and Wisconsin. Try it; you will not be disappointed. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

**Palmer**—The best and most productive of any of our very early black cap raspberries. Three pickings will take about all the fruit. It produces a heavy crop of good sized berries that you can get into market, the first of any, and get the best prices. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

## New Raspberry.

**The Wallace Red**—The only red raspberry that will not send out suckers from the roots, and that stood our severe winter of 1898-9. It has been thoroughly tested in almost every state and the reports are universally good. Supposed to be a cross between the black and red caps. Never suckers like the reds, yet having a dark red fruit. Different from both in its peculiar, delicious, tart flavor. Price, doz., 75c. Not prepaid, per 100, \$4.00.

### Testimonials on Wallace Red.

Prof. Jno. Craig, Horticulturist, Iowa Experiment Station: In point of vigor and growth they compare favorably with the strongest of 50 or 60 varieties under test.

Berryhill & Shaul, Polk Co., Iowa: After two years trial we pronounce it the hardest, thriftiest and strongest grower of any we have grown. It came through the unprecedented winter of 1898-9 alive to the tips; the plants set from tips all growing while a large percentage of the others failed. It is a heavy fruiter of reddish berries of good fair size and quality.

J. M. Wintenburg, Buchanan Co., Iowa: Those we planted two years ago did not kill down in winter of 1898-9 when all the others did; they bore a large crop last summer of nice firm berries. They do not sucker from the roots.

## Blackberries.

**Snyder**—Esteemed in the coldest portions of the country on account of its extreme hardness. Berries of medium size, but produced in abundance; sweet, juicy, and when fully ripe without a hard core. Well adapted to the Northwest, where other varieties are injured in severe winters. Doz., 50c, postpaid; by express, not prepaid, 100, \$1.25; 1,000, \$8.00.

Try our Fruit Plants. They'll suit.



SNYDER.

## Vegetable Plants, Roots, Etc.

Plants are sent by express, not by mail, and charges are to be paid by purchaser. No order accepted for less than \$1.00 worth of plants. We keep the following kinds on hand, and can ship fresh pulled plants on short notice. Prices subject to change, owing to damage by frosts, etc.

**Asparagus Roots**—(Ready when ground thaws.) See page 2.

**Cabbage, Early**—(Ready about April 10th.)

Early Wakefield, Early Summer, etc. Price per 100, 50c; per 1,000, \$3.50.

**PREMIUM FLAT DUTCH, Drumhead, etc.** Per 100, 40c; per 1,000, \$2.00.

**Cauliflower**—(Ready about May 1st.) Early Snowball, Early Erfurt. Price per 100, \$1.00; per 1,000, \$7.00.

**Celery**—(Ready about May 1st.) White Plume, Golden Heart, etc. Price per 100, 60c; per 1,000, \$4.00. After June 20th, per 1,000, \$3.00.

**Pepper**—(Ready about May 15th.) Ruby King, Bull Nose, Sweet Mountain, Cayenne. Price per 100, \$1.00.

**Horse Radish Sets**—(Ready when ground thaws.) Price per 100, 75c; per 1,000, \$6.00.

**Egg Plant**—(Ready about May 15th.) New York Improved. Price, per 100, \$1.00.

**Rhubarb Roots**—(Ready when ground thaws.) See page 28.

**Tomatoes**—(Ready about May 1st.) Dwarf Champion, Livingston's Beauty, Perfection, Stone, etc. Price per 100, 75c; per 1,000, \$5.00.

**Sweet Potatoes**—(Ready about May 1st.) Yellow Jersey, Yellow Nansemond. Per 100, 25c; per 1,000, \$2.00.

Write for special prices on plants in quantity, as we sometimes have a surplus on which we are glad to name low price; besides, we always make prices according to quantity wanted.

## Other Choice Varieties of Raspberries.

	By Mail.	By Exp.	By Exp.
	Doz.	100	1,000
Tyler .....	50	\$1.25	\$8.00
Southegan early black cap .....	50	1.25	8.00
Ohio Medium black cap .....	50	1.25	8.00
Mills .....	60	2.00	15.00



## Grass Seed



Kentucky Blue Grass.

As market prices for Grass and Clover Seeds are subject to considerable change we are compelled to ask customers to drop us a card for prices when they get ready to buy and we will give prices by return mail.

**Kentucky Blue Grass**—Is grown more than any other variety for lawns, and is one of the very best grasses for mixed pasturage. Very nutritious; will stand any amount of trampling by stock. It is one of the finest grasses for winter pasturage; stock will actually dig it out of the snow and grow fat on it. Stands drouth well. Sow in fall or spring at the rate of one bushel (14 pounds) per acre. Fancy cleaned, postpaid, per lb., 25c.

Export grade, the highest grade there is. Price while present stock lasts, bu., \$1.40; bag, (8 bu.), \$10.00. Bag free.

**Red Top**—A grass especially adapted to low, wet soils. Also good mixed with Blue Grass for lawn purposes. Fancy cleaned, solid seed, bu., \$1.50. Extra cleaned, chaffy., bu., \$1.15.

**Orchard Grass**—Can be used in mixed pasturage, as it comes very early; also in shaded situations. Postpaid, lb., 35c. By express, pk., 60c; bu., \$2.25.

**Timothy**—Too well known to need description. Write for price, stating quantity you can use.

## German Millet.

The German is an immense cropper. Sow one bushel (50 lbs.) to an acre for hay. Write for price, stating quantity you expect to use.

## Siberian Millet.

This early variety of millet matures in about 60 days. It makes an abundant crop of fine hay; the straws being light and slender with a perfect mass of blades beginning very low down. It is said to be superior to the German Millet in this respect. It withstands the hot July and August weather without the slightest trace of rust. In sections subject to drouth this variety should be sown. It requires very little seed to sow an acre, 10 to 12 quarts being sufficient for hay purposes. The color is a deep green. The seed of this variety is quite distinct, being a brownish-red and it shines as though polished. It makes most excellent chicken feed, as the seeds are some larger than the German and have more substance. Price per packet, 10c; ½ lb., 15c; lb., 25c. Low price by the bushel. Write us.

## Brome Grass.

**Hungarian Brome (Bromus inermis).**—Has long been cultivated in the dry plains of Southern Europe, and has proved best adapted to the subarid regions of our Western States. Will stand long drouths and produce heavy crops in dry sections where other grasses would perish. Sow about thirty pounds to the acre. Postpaid, lb., 35c. Write for price in quantity.

## Clover Seed

Try our choice re-cleaned Clover Seed. We often take out enough foul stuff in cleaning seed to make a difference of 50 to 75 cents in value on a bushel. This you lose when buying it in the rough.

## Alfalfa Clover.

It requires a sandy soil having a gravelly subsoil, as, while it can stand almost any amount of drouth, it will not stand it to have water remain any length of time about its roots at the surface. A prodigious cropper; sown early, it is best to sow it alone, and it will take care of itself. If, however, seeding should be delayed, it is best to sow with a light seeding of barley or oats, and cut them as soon as possible. Sow 25 pounds of seed per acre. Postpaid, lb., 25c. Write for price in quantities.

**White Dutch**—One of the best in mixed pasturage for cattle, and is an indispensable requisite in parks and lawns. Sow at the rate of five to six lbs. to an acre. Postpaid, lb., 35c; by express or freight, pk., \$2.50; bu., \$9.50.

**Alsike (Swedish)**—Sow it in sloughs and wet places. It will grow a good crop of hay, where you have possibly only grown "bull grass" heretofore. It has fibrous roots (no tap root), hence does not heave by frost. Is valuable for pasture when mixed with other grasses. Estimated highly for bee pasture. Sow six lbs. to the acre. Postpaid, lb., 25c. By express or freight, pk., \$2.50; bu., \$9.00.

**Medium or Common Red**—Best general purpose variety. Especially good for hay. Write for prices, stating quantity.

**Mammoth (Sapling or English)**—Desirable for mixed hay crop, and for plowing under as fertilizer. Write for price, stating quantity.

## Clover Farming—By Henry Wallace

Mr. Wallace is conceded on all hands to be the most thoroughly posted man in the country on clover growing—practical and scientific.

In Clover Farming he has boiled down his experience of twenty years in growing clover, and has produced a thoroughly practical book that no Western farmer can afford to do without—4x5½ inches. Illustrated. Paper covers. Price, postpaid, 35 cents.

## Mixed Lawn Seed.

We have a formula for mixing this which we have used very successfully for years. By mixing it ourselves we know that only the best qualities of the different seeds are used. We always recommend its use for this latitude. Many other grasses might be used, but they are not hardy enough for our trying climate, and it is a useless expenditure trying to get them to grow here. Price, postpaid, lb., 35c; 3 lbs., \$1.00. Not prepaid, lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50.

## TO MAKE A LAWN.

Prepare the ground before sowing the seed just the same as though you were going "to make garden." Get it good and fine on top. Sow the seed at the rate of one pound to 500 square feet. Sow when the wind is not blowing and rake it at once. If you get a heavy rain before the grass comes up, and a crust forms on the ground afterward, it should be softened by using the hose, to water during the evening. The first clipping you take raise the mower up, and avoid "shaving" the lawn. The hot sun reaches the roots and soon kills the grass.

**Lawn Food.** Old and new lawns need some good fertilizer after the frequent clipping and heat of the summer to supply the waste, and we have never found anything that will do this, for the money so cheaply as the good grade of bone meal we offer, sown at the rate of 10 lbs. to 500 square feet. How disgusting to make your front yard look worse than a barnyard by the use of stable manure, besides the quantities of weed seeds you are sure to get with it. 5 for the money, so cheaply, as the good grade of



## Kaffir Corn.

The Kaffir Corn is grown principally in this section as a fodder crop, but in those parts of the country subject to severe drouths and consequent failure of corn and other grain crops it is becoming more and more popular. It is a splendid food for poultry and is an excellent substitute for corn in every way. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow  $\frac{1}{2}$  bushel to 1 bushel, either broadcast or in drills.

### White Kaffir Corn —

Grows from 4 to 5 feet high, making a straight, upright growth, with numerous wide leaves. The stalks keep green and are brittle and juicy, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed being white it is preferred for making meal or flour. Postpaid, pkt., 5c; lb., 15c. Pk., 40c; bu., \$1.25.

### Red Kaffir Corn—This

grows taller than the White, the stalks are slenderer but more juicy and very leafy. The heads are long, slender, compact and grow erect; they measure from 1 to 2 feet. The seed is red, smaller than that of the White, and rather hard and brittle. This variety is one of the best drouth resisters among all the non-saccharine Sorghums. It does well on poor land and yields well. It ripens a little earlier than the White variety and yields much heavier. It is highly recommended by the Kansas Agricultural College. Postpaid, pkt., 5c; lb., 15c; pk., 40c; bu., \$1.25.

Field Seeds are sent by freight or express at expense of purchaser, except as noted.

## Wheat.

**Velvet Chaff Blue Stem** — A distinct variety, having white, velvet like chaff; heads beardless. The stem, just below the head, when green, is a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright golden tint. The kernel is of the hard variety, similar to the Scotch Fife, but is far more productive and one of the best Spring wheats for milling; entirely free from rust. Pkt., 5c; lb., 20c, postpaid; pk., 40c; bu., \$1.00.

## Flaxseed.

**Common—Choice, re-cleaned seed for sowing; ask for samples and market price.**  
**"Flax Culture"—A Practical Book—30c.**



WHITE HULLESS BARLEY.

## Choice Seed Barley.

**White Hulless (Ideal)**—There is a growing demand for barley for feeding purposes, used in the same manner as oats, either to be fed alone or to be used in mixed feeds. The difficulty with most varieties for feeding has been the great vicious beards which would get into the mouth and cause it to become sore. In the new White Hulless Barley this objection is overcome, as when threshed it comes out free from beards and hulls much the same as wheat, a beautiful white grain, weighing 60 to 65 pounds to the measured bushel; heads are 6 inches long, strong straw, very productive. Our stock of this comes from the introducers and will doubtless be true. Large packet 10c; lb., 25c, postpaid. pk., 40c; bu., \$1.50.

**Mansury**—A fine 6-rowed barley, produced in long heads. It leads in productiveness. We have sold more of this variety than any other sort. Large packet. 5c; per lb., 15c, postpaid; pk., 20c; bu., 70c; 2 bu., \$1.30.

**Highland Chief**—A 2-rowed barley having grains of remarkable size and fine appearance. It is a vigorous grower; is less likely to be damaged by wet than most kinds, as it is much more closely covered by broad awns or spikelets, consequently does not lose color by wet; a very important point with a malting sort. It is very productive. Large pkt., 5c; lb., 15c; post paid; pk., 30c; bu., \$1.50.

Mr. Jno. A. Roush, Van Buren Co., Iowa, writes us March, 1st, 1900: "The wheat arrived safely. It is fine. You may look for orders from my neighbors. I will also need more seeds later on."



## Field Peas.

"Peas could be made to bring more nitrogen to the soils of this country ever year than is now purchased annually by the farmers at a cost of millions of dollars."—Year-book of the U. S. Department of Agriculture.

For the northern states there is no crop of greater value than field peas, and none that is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the peas sown alone at the rate of three bushels per acre, for plowing under, there is no crop that we can so strongly recommend for more extended culture. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil from which a crop of peas has been harvested is richer in nitrogen than before the peas were sown upon it, and there is no kind of live stock on the farm to which peas and oats in mixture cannot be fed with positive advantage.

We can supply either the White or Blue Field Peas. Please write for prices, stating quantity you can use.

## Buckwheat.

Should be sown about the middle of June broadcast, using from 3 to 4 pecks to the acre.

**Japanese**—This sort has proven much earlier and more productive than any other variety, often yielding fifty bushels to an acre. The grains are very large. Pkt., 5c; pt., 15c; qt., 25c, postpaid. Pk., 40c; bu., \$1.25. Write for price in larger quantity.

**Silver Hull**—Grain is a light gray color, rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre. Pkt., 5c; pt., 15c; qt., 25c., postpaid. Pk., 40c; bu., \$1.25. Write for price in larger quantity.

**Common**—Write for price, stating quantity.

## Spring Rye.

Is especially desirable for a catch crop, as it is early enough to be sown after you have found some other crop is going to fail, and still make a paying crop. It often yields as high as 40 bushels to an acre, which ordinarily pays better than wheat. Postpaid, large pkt., 10c; lb., 25c. Write for price by the bushel.

## Broom Corn.

"Broom Corn and Brooms"—Tells all about this subject in detail.

**Improved Evergreen**—The favorite sort. The brush is fine and of good length. Yields well and does not turn red in the field before cutting, being a green variety of brush. Pk., 40c; bu., \$1.50.

**Dwarf Broom Corn**—Grows from 3 to 4 feet high having straight, smooth brush. Is principally used in making whisks and brushes. Postpaid, pkt., 10c; lb., 25c. Not prepaid 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

**Extra Early Japan**—Will mature in 75 days. The earliest of varieties. Can be planted after wheat and oats and make a crop. Postpaid, pkt., 10c; lb., 25c. Not prepaid, 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

H. L. McLeod, Manilla, Iowa, writes March 9, 1900: "The seed corn I got from you last season was all O. K."

Mr. U. M. Merrill, Hardin County, Iowa, writes April 22, 1900: "I send you postoffice order for \$3.00 for seed corn. Send me what you can afford to. I got corn of you last season and had good corn. I thought I would try it again."

## Pop Corn.

### New Red Beauty — Very

early, productive; great depth of grain and small cob; very crisp and sweet. It will pop in four months from time of planting. A beauty and a good family pop corn. Oz., 5c; ¼ lb., 15c; lb., 35c, postpaid.

**Mapledale Prolific** — The most prolific variety grown, a single stalk having yielded 15 ears; average 4 to 6 ears to a stalk. The kernels nearly clear white in color; stalks grow 6 feet high — the ears are large in size, averaging 6 inches, while many reach 8 inches in length. It pops pure white and is of good quality. Oz., 5c; ¼ lb., 12c; lb., 30c, postpaid.



**Monarch White Rice**—An improved strain of the good old Rice variety, having a much larger ear, and will no doubt yield much more per acre. The very best sort to grow for market. Per oz., 5c; ¼ lb., 10c; lb., 25c; not prepaid, 10 lbs., 60c; 25 lbs., \$1.25.

**Queen's Golden**—A beautiful golden yellow sort, having large grains and popping to immense size, but requires a very hot fire to produce it to perfection. Oz., 5c; ¼ lb., 10c; lb., 25c.

**Common Rice**—Oz., 5c; ¼ lb., 10c; lb., 25c.

**New Striped Rice**—Distinct and showy. A white grain with various colored stripes around each. Quality very good. Oz., 5c; ¼ lb., 12c; lb., 30c.

One ounce each of above six varieties of Pop Corn only 25c.

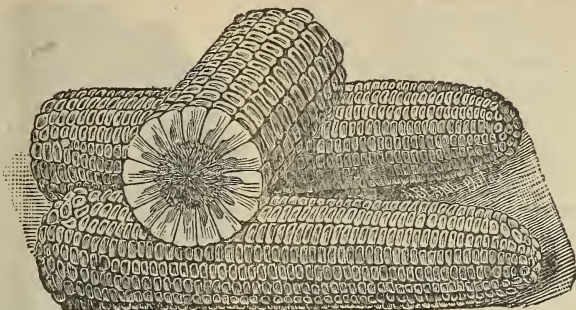
## Field Corn.

**Longfellow Dent**—This variety has a long slender ear with very hard shallow grain, set on a small cob. It is especially desirable for planting along the extreme northern corn belt, or for very late planting further south. With us it has been planted June 10th and matured 40 bu. per acre. Color, a pale yellow. Pkt., 5c; pt., 15c; qt., 25c., postpaid. Pk., 40c; bu., \$1.25.

**Giant Red.** (Homestead.)—This variety we sold upwards of ten years ago, but owing to its color we have never "pushed" its sale, a variety for feeding to Hogs or Horses it cannot be excelled. A very large, deep grained, sort of glossy, red color. Matures perfectly with us. Pkt., 5c; pt., 15c; qt., 25c; postpaid. Pk., 40c; bu., \$1.25.



# Livingston's Early Golden Surprise Field Corn



The above illustration though greatly reduced in size will give a very accurate idea of ear in proportion to cob. The corn as a whole is indicative of its name and is indeed a genuine surprise to all who behold it; beautiful in its rich golden color and smooth even size from butt to tip of ear; profitable in its depth of grain and small per cent of waste in cob; convenient in its short strong fodder growth and easy break of ear from stalk; certain in its early maturity, and, all points considered, is the best ninety day corn up to date.

Many corns have been bred for the single purpose of increased size, yield or earliness, one at the expense of the other, but none heretofore with the general purpose idea of eliminating all unnecessary waste and still retain all points of essential value to the farmer. If there is any purpose to which it is adapted more than any other, I might say it is for cattle feeding, the cob being so small there isn't the least difficulty in crushing it. Many years of close observation, careful breeding and selection, has brought about the desired result. While we might multiply statistics as to yield, the stated yield per acre of any variety, no matter how true, is more often misleading than of practical value, and greatly depends on soil, climate and condition under which it is grown, and varies according to locality. We consider it only necessary to state that this corn has been tested for several years in various localities in comparison with well-known sorts and find it fully equal in average bulk yield to any on the market. In size it will compare favorably with the well known Leaming, but in depth of grain and weight of shelled corn per bushel has no competitor, as is shown in the testimonial given below, to every 70 lbs. of corn in ear a gain in weight is made of four pounds over any known variety. The cob waste averages only eight pounds. Its habit of growth is a short, strong stock, with broad, closely set leaves, which make it a superior fodder corn. **SURPRISE** is a new, distinct, yellow dent variety of unquestionable merit and destined to become the most popular and profitable field corn for this latitude. A gain of \$10.00 is easily made on every bushel of seed used of the Golden Surprise. This is the way we figure it: One bushel will plant seven acres; 50 bushels to the acre is a low average; 4 lbs. gain on each bushel makes 200 lbs. on one acre. On 7 acres 1400 lbs. (25 bus.) at 40 cts. per bushel gives a gain of \$10.00 on every bushel, not to say anything about the advantages of early cribbing and value of obtaining seed of this corn for second season's crop. These are plain truths, fairly stated.

Prices: Large packet 10c;  $\frac{1}{2}$  pint 15c; quart 25c; postpaid. By freight or express. Peck 50c., bushel \$1.50, 2 bushels \$2.75, 5 bushels \$6.50, 10 bushels, \$12.50. Bags free. We might furnish many testimonials as to the value of the Golden Surprise, voluntarily given by pleased customers, but have room for only one here, but it's a good one. Mr. W. E. Johnson, Menard Co., Illinois, writes us on Oct. 29th, 1900, as follows:

"At the State Fair at Springfield I won 2nd and 3rd on Golden Surprise where there were premiums on 10 ears shelling the largest per cent of grain. I missed 1st place by 7-100 of 1 per cent which I think was due to quite a number of grains having been shelled off my best lot after it was placed on exhibition. At the Peoria Corn Exposition I won 1st on Golden Surprise in shelling test. This class was open to the state and I had

about 140 competitors, had the satisfaction of winning over the party who beat me at Springfield. I had an entry of Golden Surprise in a shelling test on the C. & P. & St. L. Railroad at the Peoria Exposition but there was a dispute about one of the entries in that class, and at last account was undecided. I felt quite confident of winning 1st there. When you find any corn that is larger and shells a larger per cent of grain than the Golden Surprise you may count me a customer.

Respectfully yours,

W. E. JOHNSON.



# Livingston's Selected Seed Corn

The following varieties have been chosen, as each one has distinctive features peculiar to it alone. They are not untried varieties, so you need not hesitate to use them liberally, after selecting such as are suitable to your purpose. We carry our stocks of seed corn in the ear, and only shell as needed to fill orders. This we have found the most satisfactory way to handle it. Our tests are taken right out of the shelled corn, as that is the only fair way to do it. Prices includes bags and free delivery to railway or express companies here, purchaser to pay charges when corn is received.

A bushel of our selected seed corn if carefully planted, is sufficient for eight acres. The yield, often 75 bu. to the acre, 8 acres 600 bu., value \$180.00 from seed costing \$1.00 to \$1.25. Good seed wheat costs, say 75c per bu., 12 bu. to to seed 8 acres, total cost of seed \$9.00. Yield, average 20 bu. per acre, or total of 160 bu., value \$80.00. Corn yields \$180.00 from \$1.00 seed. Wheat yields \$80.00 from \$9.00 seed. Our selected seed corn would be cheap at a much higher price than we ask.

**Pride of the North**—Is out of danger of frost in seventy-five days; very hardy and prolific, ears small, uniform; just the right size to feed cattle; small cob. Prepaid, pkt., 5c; qt., 25c. Not prepaid, pkt., 35c; bu., \$1.10; two bu., \$2.00.

**Champion White Pearl**—A thoroughbred pure white, medium sized, early dent variety, suitable for general crop. Matures in one hundred days; is very prolific; the grain is extra deep and wide; small cob. Prepaid, pkt., 5c; qt., 25c. Not prepaid, pkt., 35c; bu., \$1.00; two bu., \$1.80.

**Iowa Gold Mine**—Small to medium sized ears, of lightly yellow color. Very deep grain, shells easy. Stock are fond of it. Medium yielder. Prepaid, pkt., 5c; qt., 25c. Not prepaid, pkt., 35c; bu., \$1.10; two bu., \$2.00.

**Yellow Leaming**—Last spring I sent to Mr. Leaming the originator of this excellent variety and got several bushels of selected ears, and from these we have had a few hundred bushels grown for seed. Mr. Leaming's description of the corn is: "A rich orange color, earing low on short, heavy stock not exceeding 8 feet in height, and tapering from root to top. Suckering but little. Main stalks bear one and two ears each—none barren, of uniform size and filling out well at each end. Has from 20 to 30 rows of deep, square grains; with no chaf on top and enclosing a strong germ. Endures severe weather in the early part of season and drouth of summer. Matures in 100 to 110 days—dry enough to crib. Weighs shelled, struck measure, 60 to 63 lbs.

**Price Originators Stock**—Pkt., 10c; pt., 15c; qt., 25c; postpaid. Not prepaid, qt., 10c; ½ pk., 25c; pk., 40c; bu., \$1.25; two bu., \$2.40; five bu., \$5.75; ten bu., \$11.00.



Section of ear of Pre-Historic Corn showing depth of kernel.

**Pre-Historic Corn**—A beautiful bronze grained corn of medium sized ear and good depth of grain. It is said to have been dug up from some of the pre-historic mounds that are still to be found in parts of our country, and the peculiar shade of color which the grain has would lead one to think such thing possible. It will be an excellent variety for stock feeding. Pkt., 10c; ½ pt., 15c; qt., 25c; postpaid.

**Legal Tender Yellow Dent**—One of the best main crop yellow dent corn we have. Large and deep grained. We do not advise planting later than May 15th. It yields immensely. Earsten to twelve inches in length; grains ¾ to 1 inch in length and run well up to twenty rows on the ear. They have a glossy orange-yellow body, with a lemon-yellow cap. Try a bag of it. Prepaid, pkt., 5c; qt., 25c. Not prepaid, pkt., 35c; bu., \$1.00; bag (two bu) \$1.90; five bu., \$4.40.

**Extra Early Iowa. (Reliance)**—A variety originated in eastern Iowa. The originator a veteran corn grower says it is about double the size of Pride of the North and is fully ten days earlier. This would make it not only the earliest Yellow Dent variety but double the size of the next earliest. Color a rich glossy yellow. Smooth cap grain of good depth, on a small red cob. It will be found especially desirable to cattle feeders, and shippers will pay 2c more on the bushel for it as it always grades high. Pkt., 5c; pt., 15c; qt., 25c; postpaid. Not prepaid, pkt., 40c; bu., \$1.25; two bu., \$2.25.

**Robb's Improved Calico**—The best strain of this good old sort seen in years. A red and yellow variety of large size, yet a wonderfully sure cropper on account of earliness. Very deep grained, and has as high as 28 rows to the ear. Pkt., 10c; pt., 15c; qt., 25c; postpaid. Not prepaid, pkt., 40c; ½ bu., 75c; bu., \$1.25; two bu., \$2.25.

**Iowa Silver Mine**—A pure white corn and cob; large, deep grain, maturing in about one hundred days. Much resembling the Champion White Pearl. Pkt., 5c; qt., 25c; prepaid. Not prepaid, pkt., 40c; bu., \$1.25; two bu., \$2.25.



Yellow Leaming

For larger quantities than quoted above write for special prices.



# SEED OATS



## Early Champion

The surest cropping variety and the best one with which to sow grass seeds. The reason for this is that they come from ten days to two weeks earlier than common kinds, hence are very rarely blown down. They do not "stool out" so heavy and therefore give the grass seed a better chance. The last ten days before oats harvest are the risky ones on account of storms; and when oats go down they usually smother out the grasses. They do not have much chance to become rusted as the weather hardly ever gets hot enough before they are ready to cut. They have been thoroughly tested for a number of years and the demand is constantly increasing. They are very good yielders. Notice what some of our cus-

tomers say in regard to the yields they got as compared to other varieties. We do not, however, claim enormous yields, but taking one year with another, they will be found to average up with the rest of them. They are worth all they cost as a sure crop for the grasses. Our prices permit liberal sowing of this truly valuable oats. Prices while present stock lasts are: Bushel, 50c; 5 bushels, \$2.25; 10 bushels, \$4.25. Bags included, and free on board cars here.

Mr. J. Clark Steele, Plymouth county, Iowa, writes: "The Early Champion oats I purchased of you matured about three weeks earlier than the other varieties I have been using. They have a very straight, firm straw, which is free from rust. The yield was about the same by measure as others this year, but has the advantage of a fuller and heavier grain, thus increasing yield. The straw is of excellent quality—straight and clean."

Messrs. T. M. Rider & Sons, stockmen of Jefferson county, Iowa, writes under date of December 21, 1899: "Our Early Champion oats that we got from you last season made us about sixty bushels per acre, while our common white oats, on the same kind of ground, made only from twenty-five to thirty bushels per acre. We have about 600 bushels from the fifteen bushels we bought of you."

**Texas Red**—This variety is also quite early, coming in about the same time as Barley. A heavy variety, have a dark grain of a color inclined to red, hence its name. It is rust proof as it comes too early for weather that causes rust. Price, bu., 75c; 5 bu., \$3.00. Take a bushel or more if only to try, and get into the seed of this variety.

Wm. Heathershaw, Kossuth county, Iowa, writes: "I have the Red Texas oats and for the past ten years they have made a good crop and brought an extra price on our market. They stand up well, give a good yield and they never rust. 52 bushels from the machine run 70 bushels when weighed. They have never run less than 36 lbs to the bushel. They are ready to cut 10 to 15 days earlier than other varieties grown here."

## DWARF ESSEX.



## The Great Forage Crop—The Great "Catch" Crop.

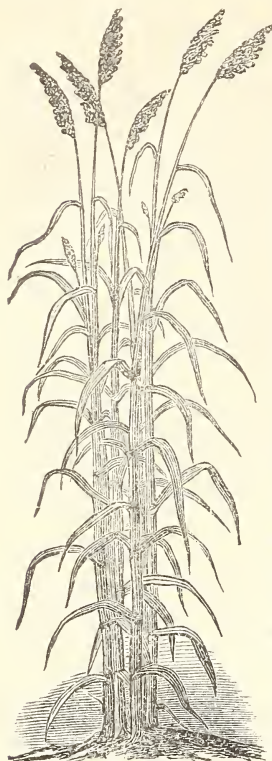
It can be sown in the spring, ten to fifteen days after oats, for early forage for sheep, swine or cattle, and it is ready for use in six or seven weeks. It can also be sown as late as August 1st, this latitude and used for pasturage up until freezing weather sets in. It is sown at the rate of four or five pounds to the acre and harrowed in. When sowing late try to get it in before a shower. It can be sown on oats ground or in the corn field after last plowing. It makes an immense yield of the best forage, but cannot be cut and cured like hay. Prices. Oz., 5c; ¼ lb., 10c; lb., 25c; postpaid. Not prepaid, 5lbs., 60c; 10 lbs., \$1.00; 25lbs., \$2.25; 100 lbs., \$8.00. Bags free.

Mr. John Trumbull, Marshall county, Kansas, writes January 17, 1900: "The Dwarf Essex Rape purchased of you was sown about July 11th on a three acre lot with corn, and cultivated in with last cultivation. It was fit for pasture in about five weeks. I do not know how it would compare with clover as we seldom pasture hogs on clover in Kansas. We pasture about forty head of shoats on this three acre patch and had feed for them till it was killed with frost, and our hogs did well on it."



# SORGHUM FODDER

BY THE NEW METHOD.



**SORGHUM.**

This new method, which we have often recommended through the agricultural papers (especially the Wallace's Farmer) originated here in Des Moines. One of the first men to grow it in this way (Mr. D. B. Patterson) is now in our employ. To prove the value of the new method will simply state that our trade of a few years ago in sorghum seed has grown from the sale of a few hundred pounds to that of several carloads during the season of 1900, and very largely to those who first began using it.

## CULTURAL DIRECTIONS.

The ground should be plowed in the spring at the usual time and harrowed. Let it remain so until weeds begin to show, then run over it again with the harrow, or if the ground has become hardened by rains, disk or cultivate to destroy weeds, and repeat as often as the weeds appear. This is better than to plow just before sowing, as the ground is then liable to turn up cloddy, and you also turn up a fresh lot of weed seeds ready to come up with your sorghum. This is prevented by treatment of the soil as above recommended, and it will be fine and comparatively free from weed seeds. This is important, as the sorghum plant starts rather delicate for first week or two, after which it is abundantly able to take care of itself. Sow the seed as near June 15th as occasion will permit, in central Iowa, and later or earlier in sections either north or south. Sow broadcast or drill at the rate of 100 pounds to the acre. If the land is rich it will pay to sow 125 pounds. If sown broadcast the ground should be harrowed so as to cover the seed about one inch. If drill is used the seed might be covered a little deeper, as the seed being more closely together and in a continuous row would assist one another in pushing to the surface. Let the crop stand until October 1st to 10th. A light frost does not injure it, but it ought not to freeze before cutting. Cut it with a mower and let it lie on the ground one or two days, then rake it up and put in large

cocks. Don't try to cure it, as that only causes it to harden and makes it more difficult for stock to eat. It is not necessary to cure it, as it will not spoil when cut so late at any rate, owing to the cool fall weather, and this is the point in cutting it so late, that it will remain juicy and sweet the same as when cut. If cut earlier, when weather is hot, and an attempt made to cure it, it simply dries up the juice in the stalk and hardens it so that stock cannot eat it. It can be fed from the cocks, or as winter approaches it may be put in narrow ricks, not to exceed eight feet in width. Do not try to put in the barn or in large stacks, as it is so full of sugar it won't keep.

If wanted earlier in the season to cut for immediate use it may be sown about the 10th to 20th of May, and you may begin cutting when the seed ripens or when by tasting it the juice is sweet. Stock don't care for it green, and it is not much use trying to feed it until it is properly ripened. The yield runs up to as high as ten tons per acre. All kinds of stock are fond of it. Dairy cows keep up a flow of milk equal to that produced by the best pasturage. We are headquarters for choice seed of the best variety for fodder purposes. Price \$1.50 per 100 lbs., \$7.00 for 500 lbs. Subject to change as season advances.

## A Few Testimonials from Successful Growers who Purchased Seed from us.

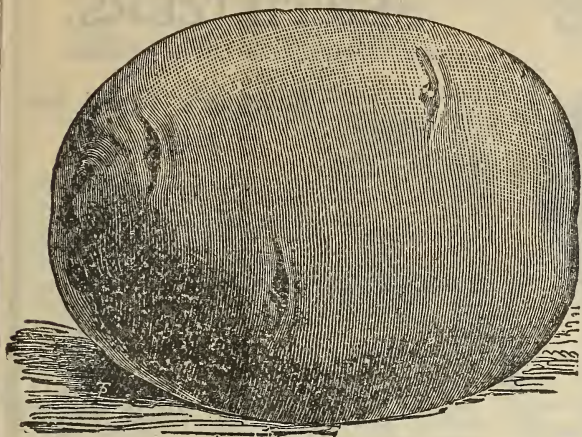
### WESTERN IOWA.

Mr. V. G. Rogge, of Cass county, Iowa, writes January 10, 1900. "The sorghum seed I got from you was all right and good. I sowed it on ground that had been planted to corn, as I had no other ground left to sow it on. I disked the ground and harrowed once before sowing, and once after. The corn had been cultivated once and so my ground was in nice shape. It was sown May 10th and cut about September 30th. It makes about four to five tons to the acre, and I am selling it at \$4.50 per ton, as I have more than I need. It makes a great lot of feed. My stock like it, and eat all and leave nothing, where they are not overfed. Will sow more another year. I think it would be better to sow it about June 15th to 20th as mine got too rank and was hard to handle."

### SOUTHERN MINNESOTA.

Mr. John Beach, of Mower county, Minn., writes us January 12, 1900: I sowed the sorghum seed I purchased of you about June 6th, and began cutting for immediate use about middle of August. Cut the whole crop before September 15th. The seed did not get ripe, but think I should have let the whole crop stand until October 1, this year. I cut with a mower, let it lay perhaps a week, then put it in cocks and fed all fall out of cocks, then put in rick eight feet wide near cow barn. I cut a few rounds with the binder at first, but found it too heavy, would not elevate good with my binder. What we did bind kept well in shock, it being a dry fall. All made fine feed. Want to try it again. Think we should let it stand until seed is ripe."





LIVINGSTON'S BANNER.

## Choice Seed Potatoes.

**Livingston's Banner**—Handsome in appearance, skin light, cream color; slightly russeted; handsome shape, slightly oblong and flattened on the sides. Few and shallow eyes; almost entirely scab proof, as shown when grown at same time with other varieties which were badly affected. Of large size, very few small ones, and never prongy. No sorting necessary; growth is vigorous from the very sprout, consequently a good drouth-resisting sort. Of fine quality. When either baked or boiled it is white as flour. Never hollow. A main crop all-purpose potato. Medium late in time of ripening. Pk., 30c; bu., \$1.00.

**Early Ohio**—Undoubtedly the earliest potato grown. You can always dig an Early Ohio just a few days sooner than any other variety, are good and dry for eating soon as large enough, and from that time (about June 10th) until potatoes come again. Northern grown seed. Pk., 40c; bu., \$1.25.

**Early Ohio (Home grown seed)**—Good stock but not so smooth as the northern grown seed. Pk., 30c; bu., \$1.00.

**Early Rose**—The old standard early potato so familiar to everyone. Our stock is Minnesota grown, and smooth and nice like the old Early Rose in its "Palmy days." Pk., 30c; bu., \$1.00.

**Early Beauty of Hebron**—One of the best early varieties; productive. Our stock of these will be choice. Pk., 30c; bu., \$1.00.

**The Livingston**—A selection from the Seneca Beauty but being pure white in skin in place of rose colored. Eyes beautiful pink, few and almost even with surface. A rank grower, blight proof. Quality superb, cooking dry and mealy at all ages. Pk., 30c; bu., \$1.00.

**The Bonanza**—A splendid medium late sort, especially desirable for main crop. Large, slightly oblong and flattened; skin smooth, rose color. Very distinct—your customers get to know them. Eyes shallow, flesh white, fine grained and dry; good flavor. Very productive. Pk., 25c; bu., 85c.

**Seneca Beauty**—The tubers are large to very large, very smooth, with few eyes close to surface, of beautiful pink color; uniform in size and shape, scarcely any small ones. Vine rank and healthy. Cooks dry, and is fine grained. Is of splendid quality. A good keeper and heavy cropper. On account of its distinct appearance in shape and color it can be kept pure and easily selected. Pk., 30c; bu., \$1.00.

**Rural New Yorker No. 2**—This potato is of large size and unusually smooth; has few and shallow eyes, oblong, is inclined to round, slightly flattened; the skin white, also the flesh; of superior quality. Matures medium late. The yield is very large and uniform. Pk., 25c; bu., 85c.

## SEED SWEET POTATOES.

One bushel, under favorable circumstances, will produce 2,500 plants.

We get Sweet Potatoes from growers who make a business of storing and packing for seed purposes. They are properly handled and will produce large, vigorous plants abundantly. We begin shipping about April 10th. As they sometimes begin rotting soon after leaving storage house,

customers must be prepared to put them into the beds as soon as they arrive.

**Yellow Jersey**—Pk., 35c; bu., \$1.10; bb., \$2.75; five bbls., \$13.25.

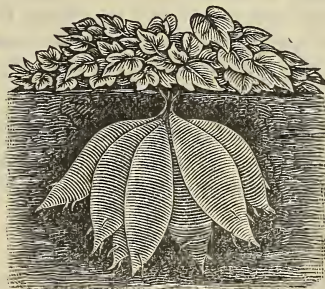
**Yellow Nansemond**—Pk., 35c; bu., \$1.10. bbl., \$2.75.

**Red Jersey**—Pk., 40c; bu., \$1.25; bbl., \$3.00.

Book on Sweet Potato Culture—60c.



## New Vineless.



NEW VINELESS SWEET POTATO.

Entirely vineless, having a short, bunchy, upright top. A rapid grower, so that it matures early, will ripen further north than any other sweet potato. A prolific bearer of long, light yellow, sweet and rich tubers. Stands drouth; no vines to run. The best early sweet potato. Succeeds best on light, sandy ground. Price, lb., 5c; pk., 40c; ½ bu., 75c; bu., \$1.25; bbl., \$3.00.



## INSECTICIDES



### SLUG SHOT.

Non-poisonous; no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetable and fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. It comes ready to be applied, and is simply dusted lightly on, so that it reaches all parts of the plants. For further information send for Slug Shot Circular; sent free.

Prices—By mail, postpaid, lb., 25c; not prepaid, 5 lbs., 35c; 10 lbs., 60c; 50 lbs., \$2.50; 100 lbs., \$4.50. Barrels, holding 235 pounds, net 4¼ cents per lb.

Dusters for Slug Shot or other Powders—

—One-half gallon size, 30c.

### Sulpho Tobacco Soap.

In this preparation we offer to the florist, to the amateur grower, and all who are interested in flower growing, either indoor or outdoor, a tobacco preparation which meets the necessity for an easily applied and absolutely effectual insect destroyer. It is dissolved in warm or cold water and sprinkled or sprayed over the plants. Very easily done, very effectual; absolutely safe in use on tenderest plant, and is non-poisonous. It is a very vigorous fertilizer; 2 oz. pkg., 10c; postpaid, 15c; 6 oz. pkg., 20c; postpaid, 25c.

### Persian Insect Powder.

The best known of all insect destroyers, and when fresh, is almost sure death to all kinds of insects. Postpaid, oz., 7c; ¼ lb., 20c; lb., 65c.

### Whale Oil Soap.

One of the cheapest and most effective remedies to destroy slugs, bugs, insects, etc., on trees, plants, etc. Dissolve one pound in seven gallons of water and sprinkle on the foliage. Postpaid, lb., 30c; not prepaid, lb., 15c; 8 lbs., \$1.00.

**Flycuro**—Will keep flies off horses, cattle, hogs, etc. Horses don't need to fight flies all day, you have no trouble with the cows at milking time, and all animals thrive where Flycuro is used. Quart can, 75c; 3 for \$2.15.

## FERTILIZERS.

Express or freight to be paid by purchaser.



### Bowker's Food for Flowers.

Perfectly odorless and clean. Full directions and the care of household plants is given in a little booklet entitled "Window Gardening," free with each package; ½ package, 15c; postpaid, 25c; 1 lb. package, 25c; postpaid, 40c. (Cut shows large package).

### GROUND BONE.

Good for all purposes; especially adapted for lawns and florists' use. Very strong and lasting. Stable manure is offensive and contains an abundance of weed seeds. Price best grade bone, lb., 5c; 10 lbs., 30c; 25 lbs., 65c; 50 lbs., \$1.20; 100 lbs., \$2.25.

### Nitrate of Soda.

Should be sown broadcast, very evenly. It has the effect of warming up the soil and giving vegetables an early start, and aids in bringing them to a quick maturity, and at a time when the best prices are to be secured. Two or three pounds on a square rod will be found very beneficial; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

### FRUIT PACKAGES.

A neat, clean package, in which to put your fruit, goes a long way towards selling it, and for highest market price. We carry a large stock and can usually supply in any quantity, from 1,000 to car load of the best White Wood. Ask for special prices on large quantities; mention amount. The quality is unexcelled, the wood being the toughest fibre and close grained; hence no loss in making up. In ordering boxes it is best to get also a Form, Magnetic Hammer and Tacks, so you are ready to go ahead without delay making your boxes.

**Boxes**—The Hallock Square, wine quart, the strongest and most durable box made. 100 40c; 500, \$1.50; 1,000, \$3.00.

**Crates**, 24 qt. size. Each 10c, 10 for 90c, 100 \$8.50; 16 qt. size, each 9c, 10 for 80c, 100 \$7.50.

**Picking Stands**, for 6 boxes—Each 10c, 10 for 85c.

**Tacks**—Annealed, 2 oz. size, pound 30c.

**Magnetic Hammers**—Selected, each 15c, 6 for 75c.

**Forms**—Each 25c; 6 for \$1.25.

**Wire**—Coil, \$1.25.

### Grape Baskets.

We buy in car lots and make price as low as any one, considering quality of stock. Special price on large quantities. Please write.

**Climax**—8 pound size, with board cover, complete, 100 \$3.00.

**Diamonds Market**—One or two handle, doz., 35c., 100, \$2.50.

**Bushels**—Each, 15c; doz., \$1.50.

**Fruit Packages** shipped at expense of purchaser.



# SUNDRY GARDEN TOOLS.

## Broadcast Seed Sowers.

### Little Giant Fiddlebow.



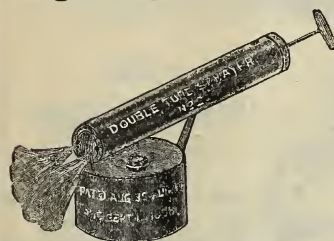
LITTLE GIANT.

One of the best hand seed sowers. Very simple, easy to operate, is cheap and always ready for use. Sows when wind is blowing. Has a steel bow, malleable cast iron brace, iron frame, agitator to prevent seed from clogging, strong distributing wheel, hand hold on side, no feed plate to carry. Strong, pretty light, (weighs only 3 lbs.) Easy running. Price only \$1.25.

### Little Giant Crank Handle

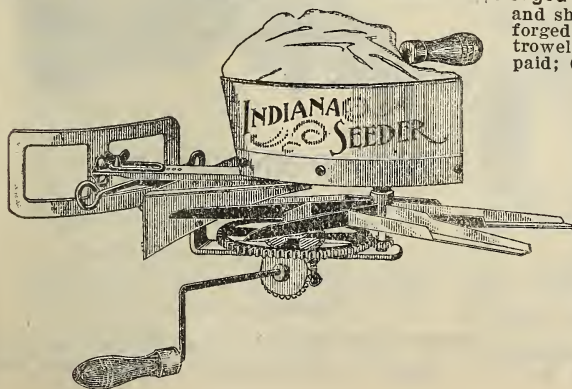
Just the same as the above, except that this one has a crank, and is operated by a cog wheel gearing. It sows Flax and Clover 36 feet to the round; Wheat 50 feet; Buckwheat 46 ft., Barley 40 ft., Timothy 27 ft., Oats 36 ft. Price only \$1.75.

## Lightning Insect Exterminator.

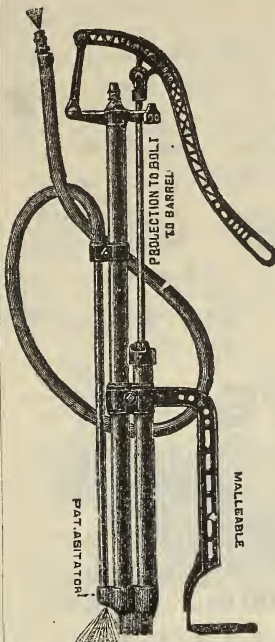


It kills or drives away everything in the way of an insect pest obnoxious to yourself, your animals or your crops. The air chamber is of large capacity so that only one stroke is necessary to cover an entire hill of potatoes; and the reservoir holding two quarts supplies sufficient for 2,000 hills. It is a great saver of liquid insecticides as it throws a spray as fine as mist. Not a drop of it is wasted, as it is so fine that it readily adheres to all parts of the foliage. It is adapted to all crops growing near the ground, also small fruit trees; to stock raisers to spray their work horses or milch cows with, to drive away flies, using: Fish oil, two quarts; crude carbolic acid, one pint; oil penny royal, one ounce; oil of tar eight ounces. Mix together and spray with the Lightning Exterminator, thereby relieving the animals of pain and misery caused by these pests. Price, Double Tube, Galvanized Tank, 75c. Copper Tank, \$1.00. Glass Tank, 75c.

essary to cover an entire hill of potatoes; and the reservoir holding two quarts supplies sufficient for 2,000 hills. It is a great saver of liquid insecticides as it throws a spray as fine as mist. Not a drop of it is wasted, as it is so fine that it readily adheres to all parts of the foliage. It is adapted to all crops growing near the ground, also small fruit trees; to stock raisers to spray their work horses or milch cows with, to drive away flies, using: Fish oil, two quarts; crude carbolic acid, one pint; oil penny royal, one ounce; oil of tar eight ounces. Mix together and spray with the Lightning Exterminator, thereby relieving the animals of pain and misery caused by these pests. Price, Double Tube, Galvanized Tank, 75c. Copper Tank, \$1.00. Glass Tank, 75c.



## Bucket Brass Spray Pump.



It is filled out complete with hose, combination Vermorel Fine and Coarse Spray and Solid Stream Nozzle. Is made of brass and is not affected by the poisonous arsenites used for spraying. The work is done on the down stroke of plunger and nothing on the up. It is very easy to operate and has great power. Will throw a solid stream 50 feet and is of unusual value for washing windows, buggies, etc. For spraying fruit of all kinds it is arranged so that it discharges a fine jet into bottom of bucket to keep the solution thoroughly mixed and agitated. We can furnish formula for spraying different kinds of fruit and tell when it should be done. The pump is provided with a combination nozzle, and also with a sprinkler for flowers, and will

throw a spray as fine as mist, or as coarse as required. It can be bolted to the inside of a barrel if wanted by removing the foot rest. Price, Bucket size, \$3.75. Barrel size, \$6.00.

## Garden Trowels.



**New Handy Digger**—This trowel is one solid piece of steel; shank and blade, very strong, and will not pull out of the handle. 6 inch blade, each 25c; 7 inch blade, 50c, postpaid.

**Common Steel**—Very useful in loosening the soil or in transplanting of plants. They are made of fine Cold Rolled Steel with Malleable Iron Shanks, firmly riveted. A first-class article of the kind. Six inches in length, 20c, postpaid; 7 inches in length 25c, postpaid.

**Forged Steel Garden Trowels**—The blade and shank are made of one piece of steel, being forged out in the same way as mason's brick trowels. They are very strong, 5 inch 40c, postpaid; 6 inch 50c, postpaid.

## Indiana Seeder.

This new seeder, now offered for the first time, has a solid malleable iron frame cast iron bevel wheels, sheet steel hopper, heavy tin fan, and holds half bushel. Runs easily and smoothly. Handsome, durable, light in weight, sows over rough ground, stumps, side hills or when wind is blowing and when wheelbarrow seeders could not be used. The cheapest, real good, crank hand seeder ever offered. Our price only \$1.50.



## Scolley's Plant Sprinkler.



Indispensable for floral work or window gardening. Very useful for dampening clothes, or for all purposes where sprinkling is necessary. They are often used for years constantly, and apparently remain as good as when new.

**Large Size**—Either straight or angle neck. Each, \$1.00; postpaid, \$1.10.

**Medium Size**—Each, 75c; postpaid, 83c.

**Small Size**—Each, 50c; postpaid 56c.

## EXCELSIOR

### Weeding Hook.



Indispensable to the cultivator of flower or vegetable garden. Price, 15c each; postpaid, 20c.

## LANG'S HAND WEEDER

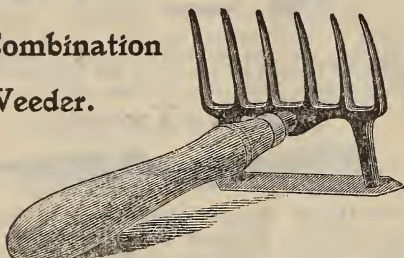
HANDIEST  
TOOL

ON EARTH.

25c.

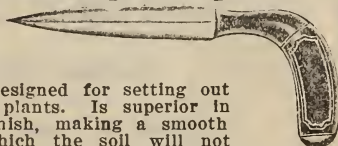
By MAIL  
PREPAID

## Combination Weeder.



Combining both the rake and hoe. It is a Perfect Weeder. Specially adapted to cutting weeds and grass, shallow cultivation, and stirring of the soil of all garden crops and flower beds. It is neatly and strongly made, the blade of the best spring steel, sharpened on both edges. Price, 30c; postpaid, 40c.

## Improved Transplanting Dibble.



Especially designed for setting out all kinds of plants. Is superior in design and finish, making a smooth hole, into which the soil will not easily fall. Is made entirely of iron, is hollow, thus avoiding unnecessary weight. Very strong, and just fits the hand. Each, 35c; postpaid, 50c.

## Wood Handle Dibble.

This dibble has a smooth steel, point, with large handle; light, strong, durable.

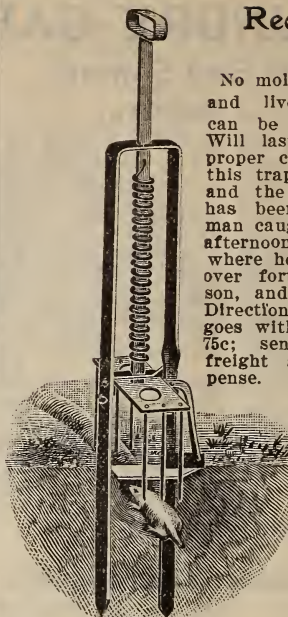
**Small**—For setting small seedling plants.

Each, 20c; postpaid, 30c.

**Large**—For setting all kinds of vegetable and fruit plants. Each, 30c; postpaid, 40c.

## Reddick Mole Trap.

No mole can pass under it and live. Easily operated, can be set in a moment. Will last a lifetime with proper care. We have sold this trap for several years, and the satisfaction given has been universal. One man caught three during an afternoon while set near where he was at work, and over forty during the season, and won a \$5.00 prize. Directions for operating goes with each trap. Price, 75c; sent by express or freight at purchaser's expense.



Mrs. J. W. Vawter, Butler county Neb., writes Apr. 26th, 1900: "The plants you sent me two years ago have done so well that I send you this order for 3 or 4 more varieties."

## The "Out o' Sight" Mole Trap.

One of the best Mole traps on the market.

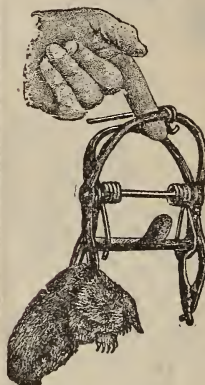
Especially valuable for hot beds on account of its convenient height.

Full particulars for setting with each trap.

PRICE, \$1.00.

Postage 25c.

\$5.00 for Half Dozen.



## NEW PRINCIPLE

When properly set  
will catch 19 out of 20.

The Best Trap Made for  
**POCKET GOPHERS.**

No Danger and Easy to Set. Sure Catch.

Sample trap, sent postpaid for 25 cts.

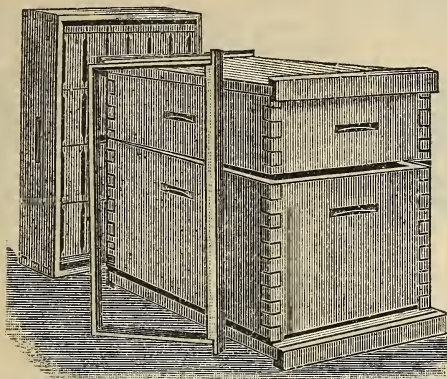
Full Directions With Each Trap.

**Famous Cornsheller**—To shell corn for poultry, seed or other purposes. Simple, strong and durable. Price only \$1.25.



# Bee Keepers' Supplies.

I have arrangements with a leading dealer here, who carries an immense stock of these goods, to fill our orders promptly, so that those of our customers who use bee supplies can have them sent with their order of seeds or other goods, and save freight and the trouble of getting from two different firms.



## Price List of Hives.

No. 1 Dovetailed Hive, is one story, consisting of bottom, cover and body, with eight frames and division board. Each, nailed and painted, \$1.30. In the flat, each, \$1.05; 5 for \$4.50; 10 for \$8.50.

No. 2 Dovetailed Hive is one and one-half story, for comb honey complete except sections and foundation starters; nails and separators included. Each, nailed and painted, \$1.75. In the flat, each, \$1.40; 5 for \$6.25; 10 for \$11.50.

No. 3 Dovetailed Hive is one and one-half story, complete for comb honey, with sections, foundation starters and nails. Each, nailed and painted, \$2.10. In the flat, each, \$1.65; 5 for \$7.25; 10 for \$13.50.

## Section Boxes.

Made of snow white bass wood,  $4\frac{1}{4} \times 4\frac{1}{4}$ , 1 $\frac{1}{2}$  inches wide, holding one pound.

Per 100.....	\$ .50	Per 2,000.....	\$ 6.30
Per 500.....	1.75	Per 3,000.....	9.75
Per 1,000.....	3.50	Per 5,000.....	15.75

## Smoker.

	By express.	By mail.
Doctor 3 $\frac{1}{2}$ inch barrel.....	.85	\$1.10
Conqueror 3 inch barrel.....	.75	1.00
Large 2 $\frac{1}{2}$ inch barrel.....	.70	.90
Large Plain 2 inch barrel.....	.55	.70
Little Wonder 1 $\frac{3}{4}$ inch barrel....	.50	.60
Clark's Cold Blast.....	.50	.70

## Bee Veils.

These veils have a rubber band around the top so as to fit the hat snugly. The lower edge is bound, to prevent fraying. Made of cotton tulle with silk tulle face. Each, 50c. Cotton tulle throughout, each, 40c; mosquito bar, each, 25c.

Order anything you need in Bee Supplies whether listed above or not. We are almost sure to be able to send it.

Alley's Queen and Drone Trap—Each 50c, or postpaid, 65c.

## Extractors.

Cowan Rapid Reversible—Price two-frame size, \$11.00.

Novice—Price \$8.00. Best on the market for the money.

Cogshall's Bee Brush—Each, 15c, or postpaid 20c.

Manum's Swarm Catcher, with pole \$1.00; without pole, 75c.

Porter Bee Escape—Each, 20c; doz., \$2.25.

Bee Entrance Guards—Each, 10c, or 15c, postpaid.

## Knives.

Bingham Uncapping Knife, each 70c., by mail 80c.

Novice Honey Knife. Each 70c., by mail 75c.

## Spur Wire-Imbedder.

This is a little tool like a tracing wheel, with the teeth set in such a way as to straddle the wire while it is in the act of imbedding. It is the best tool we have ever tried for the purpose. Price, 15c; by mail, 18c.

## Daisy Foundation Roller.

To fasten foundation to the frame.

Price, 15c each; by mail, 18c.

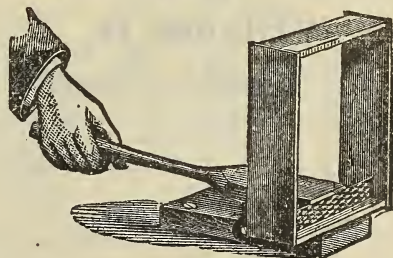
## Simplicity Feeder.

Simplicity Feeder .....	\$ .05
Simplicity Feeder in lots of 10.....	.35

## Comb Foundation.

All our comb foundation is made from pure bright yellow beeswax. The lightest colored is selected for thin foundation for sections, and the rest is made into comb foundation for the brood chamber. Price, medium brood foundation, 5 to 6 square feet per lb., 47c; 10 lbs., for \$4.50; thin surplus foundation, 10 square feet per lb., 55c; 10 lbs., for \$5.25.

Foundation must be sent by express.



## Parker's Foundation Fastener.

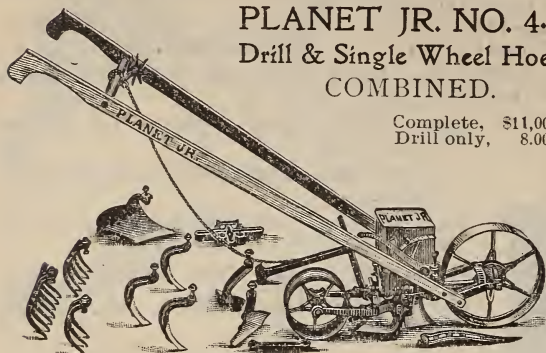
For 1 lb. sections, 25c; by mail, 40c.



# "Planet Jr." Garden Tools.

## PLANET JR. NO. 4. Drill & Single Wheel Hoe COMBINED.

Complete, \$11.00  
Drill only, 8.00



Planet Junior No. 4 Combined Drill and Hoe.

## "Planet Jr." Combined Drill.

It is suitable for either farm or the garden. As a seed drill, it does the work perfectly. For the care of the crop it is supplied with a pair of rakes, a pair of hoes, three reversible cultivator teeth, and a large garden plow. All the blades are tempered and polished steel. Price, \$9.50.

## "Planet Jr." Single Wheel Hoe.

This latest and best Single Wheel Hoe has an 11 inch wheel, with broad face, and a conveniently arranged and very full set of tools. The tools are a well-shaped plow for cultivation; a pair of neat 6-inch shield hoes, just right for hoeing in rows from 9 to 14 inches.

The frame changes in height, and the wheel to the other side of the frame, when both sides of the row can be hoed at one passage. Price, complete, \$4.75; with side hoes only \$3.25.

## "Planet Jr." 12 Tooth Harrow.

Has a high frame and the chisel shaped teeth cut an inch wide each. It may be set with teeth trailing, by simply changing one bolt in each tooth. The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting, and controls the depth of the rear teeth. Hand levers regulate both width and depth while in motion. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. For cutting strawberry runners we make a special attachment, consisting of a 10-inch flat steel disc mounted on an outrigger. Price, 12 Tooth Harrow, plain \$5.50, wheel, additional, \$1.00; Pulverizer, additional, \$1.50; Strawberry Runner Cutter, additional, \$1.75.

## "Planet Jr." No. 4 Combined Drill and Single Wheel Hoe.

By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool. Price, \$11.00.

## "Planet Jr." Double Wheel Hoe, Cultivator and Plow.

The Double Wheel Hoe is the prime favorite among the "Planet Jrs." It is particularly rigid and strong. Excellent work is certain with the hoes, in close, level cultivation; deep tillage is the strong point of the four cultivating teeth; furrow opening and plowing that of the twin-plows; and the rakes are always useful in their line. Price, Complete \$6.50. Plain, (with hoes only), \$4.00.

## "Planet Jr." No. 8 Horse Hoe.

The "Planet Jr." Combined Horse Hoe and Cultivator, is strongly built, yet light and easy to handle. The frame is longer than usual and about 1½ inches higher, making a tool that will not clog easily. The standards are formed up hollow with round throats of stiff steel; they polish quickly and free themselves readily from obstructions. The depth is under perfect control by means of a new lever wheel and the new patented depth regulator. The expander, an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions. Price complete, \$8.00; without depth regulators, order as No. 7, price \$7.50.

## The Firefly Five- Tooth Cultivator.

This is a new model Five Tooth Cultivator and Horse Hoe, with solid frame, stiff handles, adjustable in height, open frame, hollow steel standards. No loose joints; low frame, but no clogging; work in open view; the most desirable cheap Cultivator and Horse Hoe ever invented. Easy for horse and man, but easiest of all to buy. The price is only \$4.50.

## Firefly Hand Plow.

Invaluable for use in small gardens. Mold-board of tempered and polished steel. The depth is easily and quickly changed. Very useful to plow up chicken yards. Price, \$2.25.

## A NICE BOOK

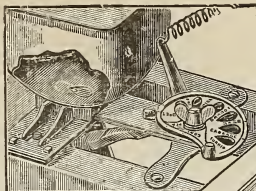
Describing in full all Planet Jr. Implements will be sent if you ask.



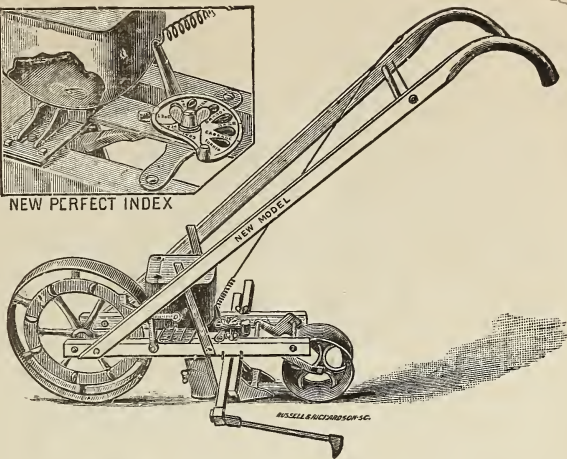
# Iron Age Garden Tools.

## New Model Drill.

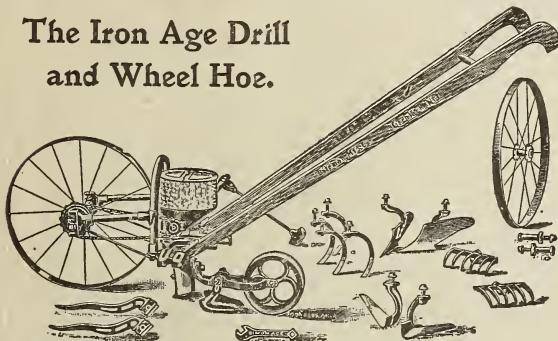
This drill contains many good points. The hole through the slide, where all the seeds have to pass, is adjustable, and the slide can be changed to a fraction by the operator, thus admitting exactly the quantity of seed required. The hole is diamond shape, as shown in cut, which is another advantage for rough or irregular shaped seeds. It has an index showing where to set it for sowing different varieties of seeds, and can be changed in an instant. The flow of seed can be stopped at any moment by a swinging cut-off, which does not injure the seed, and is, therefore, the means of saving much seed that would otherwise be wasted at the ends of rows, etc. Have sold this drill for years with the best of satisfaction. Price, \$7.00.



NEW PERFECT INDEX

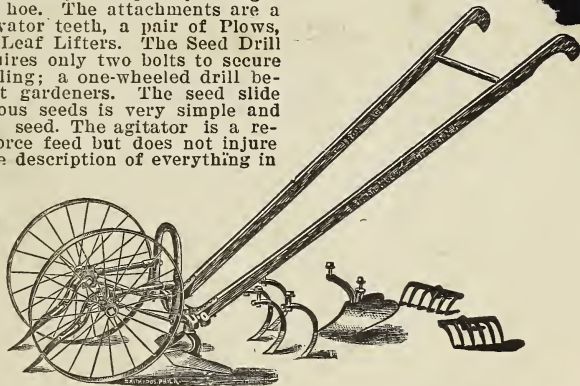


## The Iron Age Drill and Wheel Hoe.



axle sent out with each tool, it can be easily and quickly changed from a double wheel to a single wheel hoe. The attachments are a pair of Side Hoes, a set of four Cultivator teeth, a pair of Plows, a pair of Rakes and a pair of Vine or Leaf Lifters. The Seed Drill Attachment when put in its place requires only two bolts to secure it. Only one wheel is used when drilling; a one-wheeled drill being easier to guide, as claimed by most gardeners. The seed slide and index adjustment to sow the various seeds is very simple and can be set to sow any size or shape of seed. The agitator is a revolving bristle brush which acts as a force feed but does not injure the most delicate of seeds. For complete description of everything in detail in connection with this most excellent tool, send for Iron Age Catalogue. Price of Wheel Hoe alone, \$6.00, or Combined Drill and Wheel Hoe \$9.00.

The new Iron Age Wheel Hoe has changed the old back-breaking method of hoeing into a work of pleasure. They are the result of years of experience and from a study of the requirements when in the field. Instead of the old frames made of heavy iron we have in these what might be termed a machine of "bicycle construction," as it is so light in weight, and yet so strong. The wheels are of steel and are sixteen inches in height. Three changes in height of wheels can be made by simply loosening the nuts, but it is not necessary to remove them entirely. The wheels may be run inside the frame for working in narrow spaces; and by the use of an



## McGee Garden Cultivator.

For hand cultivation no tool has ever been produced that excels the McGee Garden Cultivator, either in ease, quickness or thoroughness of work. It has an arch frame and two wheels, like a tongueless cultivator. Springs between the beams, or handles, and arch, enables the opera-

tor to control easily, accurately, and instantly the side movement of the knives or cultivators. The McGee is furnished with a set of weeding knives and a set of cultivators, but other attachments for all kinds of work are made. Send for price list of attachments. Price, only \$4.50.



# LIVINGSTON'S

14<sup>th</sup> ANNUAL

## SEED CATALOGUE

AND

SEEDS  
BULBS

1901

GARDEN  
TOOLS



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extra

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SEED STORE DES MOINES IOWA